

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>  
Subject: [5625] "38 Special" Order Forms  
Message-ID: <1.5.4.16.19961204143812.34ef7446@telis.org>

Guys, Jerry Parker is absolutely amazing. I sent him a message this morning and inquired if he could do an order form on the NorCal page so that guys would know the information that we needed for their orders. Jerry not only did the form but made it so it can be printed directly from the webpage. All that you need to do is print it from your webbrowser, and you have a nice preprinted order form to send Jim Cates.

Just to bring the new members up to date: Every year the NorCal QRP Club sponsors a building contest at Dayton with very nice prizes. This year we had a Building Contest Design Contest, and the two winners were the "Rainbow Tuner" which is an L network tuner with LED readout designed by Joe Everhart, N2CX and the "38 Special", which is a 30 meter transceiver with a superhet receiver, crystal filter, sidetone, and offset built in to the basic unit. Plus there are provisions on the board for several mods, including adding an IRF510 to get 5 Watts out, a TiCK keyer from Embedded Research, RIT, and an improved filter. The "38 Special" was designed by Ori Mizrahi-Shalom, AC6AN. The New Jersey QRP Club will be kitting the Rainbow Tuner project, look for an announcement from them soon. NorCal is kitting the "38 Special", and you can order one by doing the following:

Send \$25 plus \$3 shipping and handling (\$5 DX) for a double sided, plated through, silkscreened, solder-masked board plus all basic board parts (the kit does not include controls, connectors, case or parts for the mods) and manual in US Funds only to:

Jim Cates  
3241 Eastwood Rd.  
Sacramento, CA 95821

Last year we had several excellent entries at Dayton. We encourage you to be innovative in your packaging. You may enter one or both contests, and you may even build both projects in one case. All mods are encouraged. The only rule is that the kit must work. The building contest will be held at the ARCI QRP Hospitality room Saturday night of Dayton at 8:00 PM. Entries to the contest do not have to come from the kits, you may build yours homebrew. Boards for the projects are not available separately.

Note this kit contains over 80 parts and the board is very high quality. It is very easy to get on the air, as the only peaking controls are receiver and power out. The only test equipment needed is a VOM, a general coverage receiver, and a power meter. We are getting 20 kHz of coverage with all four prototype units, and we have made several successful qso's with the units. The output power of the basic kit is about 250 mW,

but with the simple power amp mod (IRF510), you can easily get 5 Watts. We have mounted the prototypes in TenTec TG24 boxes, which are approximately 4 x 4.25 x 1.9375". There is plenty of room with this box.

Check out pictures of the rig on the NorCal Web Page. 72, Doug, KI6DS

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
Subject: [5599] 40 m DX vs Fox  
Message-ID: <199612041728.LAA19902@multi13.netcomi.com>

No fox last night, but I did hear TU4FF, Ivory Coast, who, unfortunately, QRTed before I could catch the rhythm of the pileup. QRN was S9. Propagation was weird, but not good.

Mike K1MG  
Saratoga, CA

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: n2jj@ix.netcom.com (James Janack )  
Subject: [5569] 40-9er GONE  
Message-ID: <199612040557.VAA03105@dfw-ix4.ix.netcom.com>

Gang,

I had 18 responses for my 40-9er kit posting.  
Everyones name went into a hat and a winner was picked.  
I sent a private e-mail that person.  
I've got all the responses in a separate file in case something goes awry.

Thanks for the interest.

73 es GL,

Jim N2JJ

From owner-qrp-l@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: Gary Aylward <gaylward@servomex.com>  
Subject: [5597] 67 ft of wire - THANKS!  
Message-ID: <12A6923101E02400@c2gate.tcom.co.uk>

Thank-you to everyone who took the trouble to respond to my question re my (short) end fed wire on 80m. Now all I need is for the weather to hold until the weekend and permission from my XYL - and three-year-old son! - to go out into the garden and "play radios" for a while.

Hopefully I will soon be back on the air, at least on 80m. The next band I will be adding to the rig is 20m (9MHz IF +/- 5.5MHZ VFO!), so with a few mods to the tuner I hope to meet some of you around 14.060

Thanks once again

Vy 72 de G0XAN Gary QRP-L 860 GQRP 9120 RSGB

"Homebrewers do it with whatever's to hand!"

From owner-qrp-l@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: Jim/N0UR <LAGESON@worldnet.att.net>  
Subject: [5554] 80 meter HASH  
Message-ID: <19961204030338.AAA3673@LOCALNAME>

I have so much "noise" around the qrp freq (3.560) on 80 meters that I'm ready to give up on the band. I guess the best way to describe the noise is a hash or buzz which peaks around 3.548 at 10 over, and again at about 3.558 kc. I thought it may be from a tv horz sweep oscillator, but at 3:00 am when everything is turned off the noise is still there, unless a neighbor stays up all night watching the tube. Anyone else have the same problem?? Any ideas??? By the way my antenna is a inverted L with vertical section about 20 feet from the house, and horz sec running away from the house.

During the qrp sprint this last weekend I could hear stations answering my cq's but couldn't pull them out, I had to just work the stations that I could copy and call them.

Thanks.....73/72's Jim-N0UR/wa0rpi

From owner-qrp-l@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: Ed Pacyna <pacyna@auratek.com>  
Subject: [5594] All Gone,Re:For Sale - Parts for 5 cents each

Band	QSOs	Pts	QTH	DX
80	15	69	11	0
40	22	104	15	0
20	0	0	0	0
15	0	0	0	0
10	0	0	0	0
-----				
Total	37	173	26	0

-----  
Bonus Points:5000  
Power Mult: 7

Score: 173 X 26 X 7 + 5000 = 36486

-----  
Operating Time: 2.7 Hrs.  
Claimed Score: 36486

Equipment: OHR Explorer II (40M) 3 Watts  
Kenwood TS-850sat (80M) 5 Watts  
Zepp

Club Participation: NJ QRP Club

72/73 de  
Ken Newman, N2CQ - Woodbury, NJ  
N2CQ@Juno.Com  
103464.1366@Compuserve.com  
Admiral of the Nebraska Navy

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: Reitz\_G@mediasoft.net  
Subject: [5552] Contact Mars WM-75  
Message-ID: <1.5.4.32.19961204002020.0067c6ac@mediasoft.net>

Hi Gang, Made contact with a station in Mars,Pa. today with the WM-75 SSB transceiver designed by NN1G Dave. The distance was 169 miles, yes I know the cw and other band operations you can go farther. But I'm sure have a good time with this little rig. The longest distance so far is 237 miles.

Today was a very nice day for 75 meters here in the state of VA. The reports were from just plain good audio to 20 over S-9.

Tried to hear the Gang on 3855 mhz last night to no avail.  
The band was great, because the stations receiving my 5 watts had a hard time believing ONLY 5 watts.

Thanks for the BW AD4EP George Reitz\_G@mediasoft.net

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996

From: Gary Aylward <gaylward@servomex.com>  
Subject: [5612] Death of Amateur Radio ???  
Message-ID: <2BA6923101E02400@c2gate.tcom.co.uk>

Who was it that (reportedly) said "Reports of my death have been much exaggerated"?

Amateur radio is very much alive judging by the amount of correspondence going through this list, let alone all the Usenet groups etc etc. It seems that far from spending all their time chained to a PC, members of this group are building rigs, putting up antennas, contesting, in short DOING AMATEUR RADIO.

As someone said, it will never have "mass appeal", like all hobbies there will be those of us that enjoy it and the rest of the world won't understand what all the fuss is about. No-one should do a hobby for any reason other than THEY ENJOY IT! We cannot force our hobby on the masses and expect more than one or two to be the least bit interested.

Of course amateur radio is changing, it always has and always will be about technology. The latest technology is always out of reach of the average person, but with the current rate of advancement what seemed unthinkable only a few years ago is now available to us. Who'd have thought that DDS would ever have a place in homebrew rigs? G4OPE (I think) has designed one which is featured in the winter GQRP club magazine (out soon!).

The best thing we can do is to welcome newcomers when they arrive, answer the guy sending the slow CQ (at HIS speed!), and help others to experience the thrills that we KNOW amateur radio can provide.

OK, that's more than enough from me, time to get back to the shack!

Vy 72 de Gary G0XAN    QRP-L 860    GQRP 9120    RSGB

"Homebrewers do it with whatever's to hand!"

From owner-qrp-l@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: ukii@megsinet.net (ukii)  
Subject: [5568] Drake Advice PLEASE...  
Message-ID: <01BBE170.28928BA0@randolph2e2-19.megsinet.net>

Hello, and sorry to bother the list again...  
Anyone have info on a Drake TR7 ? I was looking for a good receiving radio, didn't need all the bells/whistles, and came across this mint tr7. It has all the accessories except the antenna tuner. Price asking was 700. Does it sound like a good deal? How is Drake

equipment? All I ever owned was an Icom 735 and my Trusty,qso-less  
49er.

Please,any comments,suggestions would be great before I make a 700dollar  
mistake...

Thanks Very much...

Best 73 de john

N9UKX

Oh,does this rig go down to qrp levels? (qualifier!)

From owner-qrp-l@Lehigh.EDU Wed Dec 4 18:02:51 1996

From: "rohre" <rohre@arlut.utexas.edu>

Subject: [5544] FAQ,kits: Demise of 624 KITS

Message-ID: <n1362484168.63240@msmailgw1.arlut.utexas.edu>

Received my email ARRL Letter today, and they report the owner of 624 kits is  
no longer providing support and has just about closed the doors.

Please update your kit manufacturers lists.

Sorry to hear that, but we all know the vigourous competition we have now with  
several manufacturers is liable to cause that from time to time as it did to  
the Tejas line of kits a year ago.

72, Stuart K5KVH

From owner-qrp-l@Lehigh.EDU Wed Dec 4 18:02:51 1996

From: "rohre" <rohre@arlut.utexas.edu>

Subject: [5545] FAQ: Dec."CQ" wrong on QRP-ARCI

Message-ID: <n1362483569.97581@msmailgw1.arlut.utexas.edu>

I was just reading the regular writers in CQ, (who of course have to write up  
their material months before the printing), but in this case I think the  
author goofed and either did not check before he printed something or did not  
update his files correctly. (Was it not LAST SPRING, that QRP-ARCI raised its  
dues and renewals to the amounts posted this week on this forum?)

Anyway, you might want to refer to the QRP-L archives for that message, and  
update your new December 1996 CQ magazine, (USA one) in the place they are  
listing QRP- ARCI club info, and delete that old out of date info on QRP-ARCI.

Don't make Mike B.'s job harder than it is!

72, Stuart K5KVH

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: Ed Pacyna <pacyna@auratek.com>  
Subject: [5609] For Sale - Ceramic Filters  
Message-ID: <9612041732.AA05071@galaxy.auratek.com>

I thought some folks in this group might be interested in these filters.  
NorCal published some SSB transceivers a year ago. I can't recall the  
project name but it was a simple 75M xcvr that used a 455KHz ceramic filter  
that is very difficult to set. FAR sells a PCB for this project too.

I have some filter sets (6 or so) with a center frequency of 17.9Mhz. Keep  
in mind that 21.3MHz - 17.9MHz would only require a LO at 3.4Mhz, 17.9MHz -  
14.3Mhz requires a LO of 3.6MHz. The 12 and 10 meter bans are also possible.

There are 2 filters in a set. One is a 4 pole, the other 2 pole. You can  
cascade them together for 6 poles or use the 4 pole on the IF input and the  
2 pole as a tail end filter. The input/out Z is 1500 ohms (direct match to  
NE602's). The look like HC18 crystals except with 3 leads (input, ground,  
output). The 2 pole units can also be used as the off-set crystal (tie  
input/output leads together).

As I recall, the 3dB bandwidth is something like 4KHz (your transmit audio  
will sound great).

Each set is \$10 shipped.

Ed, W1AAZ

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T E C H N O L O G I E S |
Enterprise Workstation Connectivity |
*****
```

Ed Pacyna  
p: (617) 290-4800 x142  
f: (617) 290-4844  
e: ed@auratek.com  
w: http://www.auratek.com

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: Ed Pacyna <pacyna@auratek.com>  
Subject: [5586] For Sale - Parts for 5 cents each  
Message-ID: <9612041523.AA02125@galaxy.auratek.com>



Ed Pacyna, W1AAZ  
72 Pitman Rd.  
Marblehead, MA 01945

45 Ceramic Mica Trimmer Caps (20 2.5-60pF 9/16" x 3/8" compression, 5 2.5-40pF 9/16" x 3/8" compression, 20 5-60pF 3/8" round).

35 Military By-pass Caps (.001uF, .01uF .1uF, .47uF etc.)

25 Voltage Regulators, Adjustables (e.g. LM317, LM317T) and fixed (e.g. 7805, 7808, 7809, 7812, 7815 both L .1A and M 1.5A types)

15 Op Amps (LM353, LM358, LM3900, TL072, RC4136, LM301, 733 etc.)

25 Large signal transistors (2N3055, 2N4918, 2N4920 and more etc.)

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Enterprise Workstation Connectivity

Ed Pacyna  
p: (617) 290-4800 x142  
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From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: "Michael Connor" <mikec@primenet.com>  
Subject: [5605] FOX : Tonight!  
Message-ID: <199612041657.JAA25438@primenet.com>

Gang,

I'm up as the elusive furry one for tonight...

WHEN: 0200-0400Z Dec 5th  
WHERE: 7.038 +/-

MY QTH: Phoenix, AZ

RIG: OHR 400 @ 5W

I'm looking to score big tonight, so I'll be out in the open, wagging my tail at you. Catch me if you can!

Mike  
NQ7K

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: dannyayers@juno.com  
Subject: [5559] FOX: Finally got one!  
Message-ID: <19961203.214058.13687.1.dannyayers@juno.com>

Hello Everyone,

Well, it borders on unsportsmanlike, but I finally got my first fox! He was in my back yard but what the heck, when you're 0 for 12 or so, you take what you can get and are proud of it! :-)

Interesting to be on the receiving side of a FOX pileup. Thank goodness I wasn't the one deciphering those calls coming in. Randy did a fantastic job handling the initial pileups and then pulling out some VERY weak sigs later. A joy to listen to.

Bring on them foxes!

72/73  
Danny- AD4Y0

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: "William R. Moore" <wr.moore@worldnet.att.net>  
Subject: [5567] FOX: Tuesday's Log (Long)  
Message-ID: <32A50213.3A26@worldnet.att.net>

Well, that was sure interesting!

The evening started off with a BANG and ended on a long whimper. I was a bit nervous at first, but got into the swing of things after 3-4 contacts. I really wasn't prepared for the magnitude of the pileup. I'm afraid I missed lots of guys in the beginning if they gave up early. Kept up a fair rate for the first hour, then the band started dropping off rapidly - or everybody got tired of the chase. After 0338 I didn't hear a single signal. I hung in there calling CQ untio 0400.

I was really tickled to work several of you that I've only seen e-mail from before. Was surprised to work 2 Alabama stations: N4S0 was my first contact and I was too nervous to ask where he is in Alabama; then AD4Y0 came along later and I found out he's here in Huntsville!

The disappointment of the evening - in addition to the band dropping out early - was not completing the exchange with AA7QU, Russ, of Adventure Radio Society fame. We tried several times, but he came along just as the band was fading, around 0315. A few minutes earlier I had lost Dick, AA2WJ, but he called again later and we completed the exchange. I guess that 90% of the exchanges were completed without repeats. You guys are great QRP ops!

Got a kick out of having to ask K10J what his name was!!

It was fun, and I'm looking forward to my second try in early January. Thanks to everyone who participated, and my regrets to those I missed.

Here's the log:

Time	Call	RST(s)	RST(r)	QTH	Name	#/PWR
0201	N4S0	559	229	AL	Ken	50w
0203	W5TF	559	559	TX	Jack	282
0204	N5ET	559	559	TX	Bob	123
0205	NI0A	569	559	MN	John	689
0206	KE5TF	539	559	TX	Linda	5w
0207	KE4YH	459	449	FL	Stew	590
0209	KK7BD	559	559	AX	Dan	696
0210	W6ZH	459	539	CA	Pete	257
0212	NN9K	559	559	IL	Peter	05

0216	NQ7X	449	449	AZ	Floyd	343	
0213	W0CH/M	339	559	KS	Dave	618	
0217	KK5RO	459	559	OK	Vernon	325	
0222	KC40	459	339	KY	Roy	322	
0224	N0UR	339	449	MN	Jim	799	
0226	N5LU	349	549	OK	Bill	5w	
0229	N6XU	469	229	CA	Stan	66	
0231	AE4IC		579 569	NC	Bob	54	
0232	N9DD	579	569	IN	Tom	32	
0233	N8VAR		449 349	OH	Ron	263	
0235	AD4Y0		589 599	AL	Danny	711	
0237	W9DZ	579	469	IN	Allen	112	
0239	KA5T	349	339	TX	Larry	89	
0240	AE4MX		349 479	NC	Henry	135	
0243	AB50U		569 579	NM	Tim	73	
0244	KK6MC/5		349 559	NM	Jim	411	
0246	K5RV	349	449	LA	Brian	324	
0248	AD4ZK*		559 549	NC	Warren	78	
0250	AB5UA		339 339	OK	Clif	478	
0252	K10J	569	559	TX	OJ	732	
0256	K5JHP		239 349	TX	Bill	825	
0259	AA2WJ		239 339	TX	Dick	5w	
0304	AC5II		349 339	OK	Don	264	
0307	K5UP	359	559	OK	Glen	21	
0313	W5FN	469	449	TX	Tim	586	
0328	AA7QU		129 xxx	OR	Russ xxx	Incomplete	
0323	W1HUE		349 529	ID	Larry	228	
0332	KB9IUA		329 339	IL	Kevin	843	
0336	N9HH	559	449	IL	Bill	824	
0338	KB0CLD		349 339	MO	Bill	279	

\*Warren, couldn't read my writing on the last letter of your call. Let me know and I'll correct it with Chuck.

Let me know if there are other errors.

Thanks again!

72/73

Randy, KS4L

Huntsville, AL

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996

From: w0ch@juno.com

Subject: [5566] FOX: Who needs a key?

Message-ID: <19961203.220834.2215.0.W0CH@juno.com>

Tonight as I was setting up the mobile rig for the Foxhunt, I discovered that I had left my key at home. Rats! Here I am in Wichita, Kansas with my key back in Missouri.

With minutes to spare, I jury rigged a couple of wires to a plug. Thinking about how to key the rig, I noticed some loose change in the car's console. Hey, how about a couple of pennies. Copper makes for good contacts!

In the knick of time, W0CH/Mobile is on the air. KS4L's signal rises out of the noise and just 14 minutes into the hunt, he hears my signal and asks for the MOBILE only to transmit.

Ain't QRP great! Worked the fox with 5 watts to a mobile whip and keyed by banging two pennies together.

Thanks Randy for copying my sloppy sending.

72,

Dave W0CH/M  
QRP-L 618

From owner-qrp-l@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: Bill Myers <bmyers@destin.nfds.net>  
Subject: [5624] FOX: Re: I hate 40 Meters!  
Message-ID: <1.5.4.16.19961204150948.092f2aae@destin.nfds.net>

At 09:26 PM 12/3/96 -0600, William H. Launer wrote:  
>Tonight, I could hear the Huntsville Fox lurking in the noise, but never  
>got a shot. I heard hunters in NC, TX, and LA get him. It seems that the  
>skip distance (at least from St. Charles, MO) was about 700 miles tonight.  
>Since I'm only about 400 miles from Huntsville, he remained hidden from >view.

At least you heard him in the noise. I didn't get even a glimmer of him. Didn't hear any hunters either. Nothing out of the N/T Fox or his hunters. I did hear a 1 station on 7102 explaining to another how challenging it was to work a fox and give the N/T's callsign to him.

CHUCK, don't you get some kind of credit if you hear someone else talk about the fox on fox night???

--

Bill Myers      KK4KF  
FISTS#2390    QRP-L#755    ARCI#9282    scQRP#42    CQC#386  
Grid      EM60rk (Shalimar, FL 32579)  
Snail Mail    P. O. Box 178  
e-mail      <bmyers@destin.nfds.net>  
homepage <http://destin.nfds.net/~bmyers/>  
(Reptiles/Emergency Services/Amateur Radio)  
CHECK OUT THE FISTS INTERNATIONAL CW CLUB U. S. HOMEPAGE  
<http://n9nvv.qrp.com/~fists>  
^^^^ That's N 9 N V V

From owner-qrp-l@Lehigh.EDU    Wed Dec    4 18:02:51 1996  
From: wk9t@juno.com  
Subject: [5622] FS: MFJ-9020  
Message-ID: <19961204.145123.24758.0.wk9t@juno.com>

MFJ-9020 w/MFJ-4112 Power pack \$125.00 shipped to lower 48.

Radio Shack HTX-202 2 mtr HT w/Nicad Batt, alkaline holder, wall charger,  
cigarette lighter adapter and spkr/mic \$150.00 shipped to lower 48.

If interested please E-mail to wk9t@juno.com

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73/72 de Rod ... WK9T Carol Stream(Chicago), IL  
Grid: EN-51ww      QRP-L # 616      ARS # 153  
E-mail: wk9t@juno.com

From owner-qrp-l@Lehigh.EDU    Wed Dec    4 18:02:51 1996  
From: "Reich, Christopher N" <cnr@rfpo2.rfc.comm.harris.com>  
Subject: [5582] FW: AEA For Sale -- A. R. Newsline comments  
Message-ID: <32A589F2@smtpgate.rfc.comm.harris.com>

To which I add, Share Ham Radio with a youngster - before he or she  
discovers the opposite sex!

I did, and what a remarkable experience, I re-lived the experience of  
becoming a ham myself...

Chris Reich WB2DYJ

Past President - Rochester Amateur Radio Assn.

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>Well, gang - The important point is not to bail out, but rather to draw a line in the sand, and say OK, we are here. Then begin consistently charting your course, and move in the direction of your goal. The goal: nurture and enrich the ham radio experience, sharing it with those of kindred spirits.

>  
>Bruce KB0PZD  
>lbbbarley@feist.com

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: pelt@vt.edu (Randy Pelt)  
Subject: [5623] G3TSO Transceiver  
Message-ID: <v01540b01aecb4d77e5e4@[198.82.152.40]>

I, like many, wanted to build the G3TSO transceiver but opted to have a go at the Hands TCX 210 ten band cw rig. Mainly beause in kit form you've got all the parts. I now have all the modules built and am about to test them before hooking everything together. I used the synthesizer from the 9/95 QRPp (Ray Megarian). I was going to also use his frequency board, but I like Oak Hills' DD-1 so much, I'm going to use that.

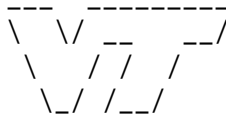
The biggest problem I had was adjusting to the Brit's cap descriptions, 10N, N, N10, etc.

Will keep the group posted on the final results.

72

Ranson J. Pelt  
pelt@vt.edu  
QST de w4wyt  
ex-nz4i

Semper Fi



From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: GREGOIRE@ENDOR.COM (ERNEST GREGOIRE)  
Subject: [5587] Gray Line speed & DX  
Message-ID: <199612041525.KAA34156@nss2.CC.Lehigh.EDU>

Hello Gang,

If you hate 40 meters at night, try it in the early morning.

I worked TI5NW in Costa Rica at 1100 utc. Which brings up another subject. The gray line speed over the Earth.

I have a Geo globe program that tracks the terminator as it moves over the Earth. It moves in real time and is fascinating to watch. As it moved, I wondered just how fast it went, measured in speed over the ground. So I calculated the speed by changing local time on the program and noting it took 27 minutes to get from a line perpendicular to Toronto, to a spot in Massachusettes that is on the terminator at the same time that Canaan NH. is. The distance was 348 miles and that figures out to 773 miles per hour.

Using the rough diameter of the Earth, and 24 hours. It comes out to 1029 miles per hour. I am guessing that the difference is seasonal.

So how about it. Can any of you folks get the speed any more accurately?

Just curious, that's all.

BTW, Costa Rica was s9 here in NH.

73 de AA1IK  
Ernie

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: cjster1@ix.netcom.com (Craig J. Sterling)  
Subject: [5576] Ham radio & CW is alive and well!  
Message-ID: <199612041206.EAA14132@dfw-ix4.ix.netcom.com>

Greetings,

Ham radio is alive and well, even with young folks. Last evening I worked KF4MLJ, Matt in Cookeville, TN on 75M CW. Matt was born in 1985!!!!!! He didn't miss a letter ... sent with a straight key also!!!

Best QSO of 1996!



CU,  
Craig, AA3MD

P.S. If AC4HF sees this post ... Jeff, do you know this young man!

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: Jeff Grudin <grudin@pacific.vdbs.com>  
Subject: [5606] Ham vs Internet  
Message-ID: <32A5B646.5047@pacific.vdbs.com>

It's kinda like fishin'. If every time you went out to the lake and dropped your line in a big fish jumped on, you would probably get bored pretty fast. On the other hand if you spent most of your time trying to find the best spot, improve the type of bait you use, improving the methods of displaying the bait, etc., then when you do land the big one it is pretty exciting.

Well the internet is kind of like the former. Don't get me wrong I like the internet, but it has never, ever got me running through my house screaming like a fool like the first time I "landed" Russia on my Norcal 40a.

Or how about the first CW QSO. Wow I remember how nervous I was in front of my ham class I got to go up to the key and pound out CQ. I didn't have any idea who would come back. When a VK came back my heart was pounding. When I got a QSL card and a three page letter, it was even better.

Or how about putting together a bag of parts and making a radio. And the first QSO on that rig that you made. That's pretty exciting.

I'm sure you all have stories like these about ham radio. I doubt if any of you have them about the internet. The internet is too easy and predictable. It is great for the things it is, but it isn't what ham radio is.

If I just wanted to talk to someone I didn't know, I could just pick up the phone and dial random numbers. For me it is the art of radio, the technical aspects, and it's unpredictable nature that are alluring

--

73 de Jeff AC6KW  
grudin@vdbs.com

-----QRP-L

#16 Private Practice : Companion Animals and Exotics  
Norcal QRP #1292 Ocean Animal Clinic / Cat Clinic of Santa Cruz  
Santa Cruz, California

QRP'ers do it with less energy (but lots of enthusiasm)!

-----  
From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: KB0PJE /5 Jack Dougherty <jdougher@wt.net>  
Subject: [5611] HB: New Enclosure Ideas  
Message-ID: <32A5DA40.5050@wt.net>

1. See the new Celestial Seasonings tea boxes that have a small tin packed inside. The tin is meant to be a collectable, or to hold 1 or 2 bags in and keep them fresh while carrying to work, etc. These tins appear to be about 75% size of my 49-er/altoids box. The Celestial Seasonings tea boxes with the tins inside have a special decal/label on the top announcing the enclosure - not all flavors have them yet.

2. Wife dragged me kicking and screaming to local Goodwill store, but..... they had dozens of used "cookie tins", the kind that hold the holiday gift cookies and have santa, etc. decor on outside. I picked up 6 at 50 cents each...some round, some square. One in particular is about 10W by 1H by 5D and looks especially good for next project - check issued and am awaiting delivery on my 38 spl.

Hasta,  
WA8GHZ /5  
Jack /Houston

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: JessQRP@aol.com  
Subject: [5564] HP 8558? Spectrum Analyzer  
Message-ID: <961203225954\_1651139841@emout16.mail.aol.com>

Hi all,

Well, good news on the HP Spectrum Analyzer. Replaced one blown fuse and it plays like a champ. Hooked a wire into the input (didn't come with any probes) and keyed the HT near it, and the bumps is where they are supposed to be!

Anyone tell me what the market price on this thing is in case I decide to peddle it? The module is a 8559B .1 to 1500 MHZ and the display is a 182T. I am not sure that I will have any long term use for it but I would Imagine that if a person had one of these and a scope they would be in pretty good shape. It does have an output for an LO out so I suppose that it could be used for a signal injector. I just never had a chance to use one of these much back when I was toting a scope for a living. Still know how to run one of those pretty well!

Best  
Jess NOTFI

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: doster@umr.edu (George Doster)  
Subject: [5600] I got a FOX and my first CW QSO at one time!!!  
Message-ID: <199612041627.KAA28096@hermes.cc.umd.edu>

That's right! A FOX (WD4MSM), my first CW QSO ever, and all at 5W!!!!!! I love it!! Barry thank you, thank you, thank you for your patience and code coping ability. I was very nervous and unsure! I used a HB straight key made out of scrap plexiglass and aluminum! Sorry if the code was messy. I would very much like a QSL card for this one. I'm NOT good in the Book.

Isn't this great fun!!!!  
George Jay Doster doster@umr.edu N0PMY  
Cloud and Aerosol Sciences Laboratory  
Univ. of Missouri - Rolla

QRP-L #739

Disclaimer: All spelling mistakes are my own and not Webster's.

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: launerb@crl.com (William H. Launer)  
Subject: [5557] I hate 40 Meters!  
Message-ID: <v01530502aeca9d5cc196@[192.0.2.1]>

Tonight, I could hear the Huntsville Fox lurking in the noise, but never got a shot. I heard hunters in NC, TX, and LA get him. It seems that the skip distance (at least from St. Charles, MO) was about 700 miles tonight. Since I'm only about 400 miles from Huntsville, he remained hidden from view. Guess I'll go down to 80 Meters and sulk!

Congratulations to those that got him.

72/73 Bill wb0cld

Bill Launer  
St. Charles, MO  
launerb@crl.com  
wb0cld@wb0cld.ampr.org [44.46.66.25]  
qrp-1 #279            qrp arci #3551  
Grid Square EM48RT

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: lve1@inel.gov (Larry V East)  
Subject: [5590] Internet replacing Radio??  
Message-ID: <2.2.16.19961204154437.46f7c7d6@eloi>

>You guys want an IRC channel for QRP? What's wrong with 7.040?

>C'mon, get a grip!

Right on! What'd you get your licenses for??

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: "Claton Cadmus" <aplitech@Spacestar.Net>  
Subject: [5547] Internet vs Radio  
Message-ID: <199612040051.SAA32065@Spacestar.Net>

We all love radio, we don't like anything that takes away from that. But the Internet is not our problem. Ham Radio is what it is, we as participants are here for the Hobby. It will never be a world wide communications system of any importance except in the case of an emergency. And that's as it should be. On the other hand, the Internet is the prototype for the future of global communications for the masses.

The problem is not that the Internet is taking our young operators, it's that we are not seizing the opportunity to use the Internet to promote Ham Radio and allow the young to be bitten by the Ham Bug. The Internet is filled with just the type of individuals we want to attract. Getting new operators is all in the percentages. The more people we reach, the more new members of our hobby we will attract.

This list is a wonderful way to get people interested, but how do they find it? The newsgroups are probably our best media, but I don't see a rec.radio.amateur.beginner and the junk that goes on in some of the

existing ham newsgroups doesn't help a bit. WWW pages are great and everyone that has one should have a link setup to point to pages for potential novices.

So what can you do as one ham to made the Internet serve Ham Radio. Easy.

If you have a ham homepage put some beginner links on it. When you visit a ham page that doesn't have beginner links, email the owner a friendly note. Maybe even provide the URL's of a couple good beginner pages. When you read the newsgroups, if you see a conversation get out of hand send a private polite email with your reasons. If you have to, because of poor language or inappropriate postings send a copy of the post to the postmaster at the offenders address. Check the search engines from time to time for new links. Basically, promote Ham Radio.

My two cents.

Claton Cadmus               |73 de KA0GKC  
Application Technologies Inc.   |ARRL, QRP-ARCI, NorCal  
Ph. (612)926-8886           |ARCC, MNQRP Society  
Fax (612)926-8545           |ka0gkc@ka0gkc.ampr.org  
E-mail cla@spacestar.net   |ka0gkc@wb0gdb.#stp.mn.us

From owner-qrp-l@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: "Timothy R. Gordish" <105020.2634@CompuServe.COM>  
Subject: [5588] Internet vs. Hamradio  
Message-ID: <199612041028\_MC1-CB0-97B6@compuserve.com>

Internet is cool, internet is fun. Hamradio is cool, hamradio is fun. TCPIP on packet radio is internet on hamradio. TCPIP packet is really cool and really fun. We have the technology to run this list, with all it's traffic exactly as it is being run right now, entirely on packet radio with internet gateways using TCPIP. We all have computers, we can build 9.6k modems, and crystal fm rigs similar to the MFJ-8621 ( a very nice little 2m QRP rig). AEA sells a 440 tnc/radio combined and guess what it is also QRP! The software for TCPIP is widely available and free! The problem is that too many of those who control digipeaters and bulletin boards are stuck in the dark ages of AX.25, 1200bps, Netrom, and that awful 300bps noise around 7.110 Mhz! Shouldn't we on the QRP-L consider how we can contribute to the packet system to make this a reality? We have experienced the fun of this list, shouldn't that inspire us to create a similar system over vhf/uhf radio waves? We could have our cake and eat it to! BTW, packet works pretty nifty at <5w!

73/72  
Tim KB9LGJ

ARRL, QRP-L, ScQRPions, NorCal, IDEA (Indiana Digital Experimenters Association).

From owner-qrp-l@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: "Jeff M. Gold" <JMG@tntech.edu>  
Subject: [5617] Internet-the Real question  
Message-ID: <01ICM2NXTGB68WYHQB@tntech.edu>

The real question is how to do CW over the Internet.

From owner-qrp-l@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: "Claton Cadmus" <aplitech@Spacestar.Net>  
Subject: [5548] IRC Chat  
Message-ID: <199612040051.SAA32063@Spacestar.Net>

I missed the invite to keyboard chat last nite. Anybody up for it this evening?

If so when and where?

Claton Cadmus               |73 de KA0GKC  
Application Technologies Inc. |ARRL, QRP-ARCI, NorCal  
Ph. (612)926-8886           |ARCC, MNQRP Society  
Fax (612)926-8545           |ka0gkc@ka0gkc.ampr.org  
E-mail cla@spacestar.net    |ka0gkc@wb0gdb.#stp.mn.us

From owner-qrp-l@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: PDouglas12@aol.com  
Subject: [5603] JPS ANC-4 noise cancelling device  
Message-ID: <961204115127\_1253165338@emout02.mail.aol.com>

Gang,

I thought it would be useful to post my investigations concerning my overwhelming line noise problems, and how I am hoping to solve them. First of all, I have tried finding the source by walking around with a transistor radio. It is in the power lines, of course, but even powering the whole house down isn't really helping. So it is being generated all over the neighborhood. I don't think my neighbors would be willing to give up the use of all electricity during operating hours.

I read with interest Doug DeMaw's article on a Noise Squasher, as he calls it, in last June's CQ mag. It connects to the station antenna, and uses a second shorter local antenna. The inputs from both antennas are combined in a phasing transformer arrangement, and the noise sigs are equalized from both inputs, and then phased 180 degrees from each other, balancing out the noise.

It uses the same principal as the phasing method of generating SSB. Cool idea, and it is a very simple (read cheap) system. And according to Doug, it is good for 50db of noise cancellation. Wow. That was just what the doctor ordered, I thought.

But the DeMaw device requires a T/R voltage to switch its internal relay to protect the FET transistors from the transmitter. Uh oh. I have at least five transceivers that are connected through an elaborate switching system to my antennas. This means that I either have to build five Squashers or figure out how to do the T/R automatically from RF sensing. In fact, I have written to Mr. DeMaw asking him what he suggests on this topic. Incidentally, if you are interested in the project, our friends at Far Circuits have done a circuit board for Doug's project.

DeMaw updated his article this month in CQ. He added a BC band filter to the device to keep out local broadcast overload. And he mentioned that one commercial manufacturer is making a commercial version. Cool. I went looking for it. There are TWO commercial versions. Both commercial units have (Ta Da) automatic RF sensed T/R switching. One is the ANC-4 by JPS, the digital signal processor makers. The other is the MFJ 1026. Impulse buyers note: The MFJ is not yet available--dealers don't expect it for months. MFJ HOPES to ship before Christmas to direct customers.

JPS advises that their relay RF switching will go to 7ms hang time, and they assure me that that is fast enough for QSK. And it will trigger at 2W or more up to QRO bare transceiver power. (Sorry, Chuck, if you stay under a watt, you will have to hard wire the relay for switched 12v. JPS advises that they will provide instructions for that, if requested.) There is an active antenna amp for the noise input, and phasing is 360 degrees, so peaking or nulling are both available.

Well, since I am definitely not enjoying 80 and 40 with all that noise, I consider it an emergency. :- ) Having declared the emergency, I ordered the ANC-4. Davis RF Co is a dealer that sells the JPS stuff at discount (\$155 for the ANC-4 which retails for \$175). Incidentally, when the MFJ comes out it is priced at \$139, I think.

I will definitely review the ANC-4. If it is a miracle machine, I will tell. I also haven't given up on Doug DeMaw's simple device. If I hear from him on RF switching, I will post that too.

Davis RF (advertises in all the mags) doesn't take plastic. But if you are licensed, they will send you what you order with an invoice. Nice. That's

what I did.

72,

Preston WJ2V

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: stevebar@ix.netcom.com (Stephen A. Baranowski)  
Subject: [5618] KnightLite "club" license and callsign - update  
Message-ID: <199612041956.LAA22770@dfw-ix12.ix.netcom.com>

Hi guys -

A question from Warren reminded me that, other than for Paul, I had not updated everyone on the KL license/callsign project - -

The application for a club call has been obtained, completed, signed (by both Paul and I) and mailed off before Thanksgiving to the FCC for a club call sign. I suspect that we won't see a response for about 6 weeks.

After looking at the limitations on a special event call, (basically limited by time and geography -)I decided to go for the club call that we can use for all KL events, including the KL net, Field Day, Ocracoke, FYBO, even a group operation for ARCI, sweepstakes, etc.

Now, the call that will be issued will be a sequential 2X3, probably in the KF4... group. If we want something special (i.e., vanity call), then we have to apply after we receive the club call/license. And as in the case of individual operators, we need to pay the \$30 for the vanity call.

I will start making up a list of available calls for the group to review. There is actually a nice selection still available. I will post more on the subject and the available list as we get closer. I would, however, appreciate any input. Also, let's decide on how we can round up the \$30.

72 de Steve / AA1BK

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: rdkeys@csemail.cropsci.ncsu.edu  
Subject: [5595] Looking for QRP mod or suggestions for TS-140S  
Message-ID: <9612041729.AA106648@csemail.cropsci.ncsu.edu>



I have a TS-140S Kenwood that I would like to run QRP. Its main problem is that those silly slide pots on the front panel give very difficult control at best for qrp modes. Anyone know of how to properly run or set up a TS-140S in QRP mode? I have heard there was a way to put on an outboard dongle pot of some sort that would set it up, and I have heard there was an internal setting also. Any pointers or suggestions are appreciated. Thanks!

73/72/ZUT DE NA4G/Bob UP  
rdkeys@csemail.cropsci.ncsu.edu

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: Barry Keating <Barry.P.Keating.1@nd.edu>  
Subject: [5579] N/T FOX Report (Tuesday)  
Message-ID: <v03007802aecb2dd0f4e3@[129.74.87.62]>

\*\*\* N/T Fox Report for Tuesday, December 3rd \*\*\*

TIME STNNAME ST RST NR

0035	K50N	(heard call clearly twice but faded)		
0056	N6XU	Stan	CA	339 66
0110	N9HH	Bill	IL	559 824
0133	N0PMY	Jay	MO	559 739

Thank you all; especially those who  
listened without success this time around.

It's a short list but I'm delighted to add  
California to the list!

Barry Keating  
WD4MSM  
South Bend, Indiana (90 miles east of Chicago)  
MFJ 9040 running 5 watts  
G5RV antenna (half-size, 52') up 30 feet

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: macdondd@cadvision.com (Duncan David Mac Donald)  
Subject: [5553] need help re St Louis Tuner  
Message-ID: <199612040129.SAA57784@huey.cadvision.com>

Can omeone help me I am building the St Louis Tuner from the Norcal Kit not the Wilderness edition. The manual is missing step 16 it jumps from step 15 straight to atep 17 i would like to know if there is in fact a step 16.

THANKING YOU in advance for any help I receive de Duncan. ve6dmd.  
QRP is getting the Most from the Least.

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: lve1@inel.gov (Larry V East)  
Subject: [5598] Ocean State Electronics  
Message-ID: <2.2.16.19961204162124.35e731d2@eloi>

OK, I've about had it with that outfit! Called Friday, Nov. 29: No answer (OK, its the day after Thanksgiving). Called Monday, Dec. 2 five or six times, no answer. Called Dec. 3; busy in morning, then got a recorded message saying that they would be closed until 10 AM (EST) on Wed. Called this morning (Wed. Dec. 4) about 11AM EST and got a recorded message saying they would be closed until 9AM Thursday!

Dammit, I need some ferrite beads and cores and powdered iron cores. Is there any place else (mail order) that sells these in small quantities and does not require a \$25 minimum?

By the way -- I placed an order with Mouser on Friday (Nov. 29) and had the stuff on Monday! (Shipping charge was only \$3.10 for 3 day UPS.) Now THAT's service! (Too bad they don't stock toroid cores...)

72, Larry W1HUE/7

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: doster@umr.edu (George Doster)  
Subject: [5604] Proper CW?  
Message-ID: <199612041655.KAA08730@hermes.cc.umn.edu>

This isn't strictly QRP, however you guys are so helpful that I know I'll get a answer here.

Last night I worked WD4MSM as FOX and my first CW QSO. (See earlier message). I realized I'm a bit clueless on the finer points of CW procedure. I sent K when I was finished sending a message and R when I recieved the message. Perhaps <AR> is better for end of message?? I know there is probably no 'right' way, but I'm curious on what you think. A sample QSO with the procedures written in would be great. Direct e-mail is probably warranted but I'll post a summary if someone indicates intrest.

Thanks!  
Jay

Note the new .sig!  
George Jay Doster                   doster@umr.edu           N0PMY  
QRP-L #739   WAS: w/c 1/0

Disclaimer: All spelling mistakes are my own and not Webster's.

From owner-qrp-l@Lehigh.EDU   Wed Dec   4 18:02:51 1996  
From: Pete Rossi <wa3nna@resuba.com>  
Subject: [5558] QRP BEACON REPORTS RECEIVED  
Message-ID: <199612040331.WAA22599@resuba.com>

I received beacon reports from the following people.. If you sent one, please take a second to check the list of e-mail addresses and if you are not there then you better send another report .. like ASAP.

Thanks to all of you who participated. Sorry I was not able to reply individually to everyone. I started to fall behind on Sunday and never got caught up.

A full beacon report will be posted shortly.. Stay tuned...

73,

Pete Rossi - WA3NNA  
wa3nna@resuba.com

REPORTS WERE RECEIVED FROM :

AlK0FRP@aol.com  
GREGOIRE@ENDOR.COM  
K2ASMRET@aol.com

K4NK@aol.com  
W5HNS@aol.com  
aa4xx@amsat.org  
ac5am@juno.com  
ae4ic@nr.infi.net  
asgrandle@postoffice.worldnet.att.net  
bcronau@widowmaker.com  
bmitchel@kodakr.kodak.com  
bobh@p3.net  
branca.conyers@worldnet.att.net  
craig@pineland.net  
febsun!jlk@elektro.cmhnet.org  
flanders@GroupZ.net  
gdcochre@swcp.com  
hapence@erols.com  
jbcumming@wwdc.com  
jennings@eng16.rochny.uspra.abb.com  
jim\_kc1fb@pipeline.com  
jokortge@tir.com  
jsm@deepcove.com  
kelman@dialnet.net  
launerb@crl.com  
lbbarley@feist.com  
leinwebe@mcmail.CIS.McMaster.CA  
lewise@inetport.com  
malman@BBN.COM  
n2jj@ix.netcom.com  
n4so@juno.com  
owen@apollo.eeel.nist.gov  
rboggs@pcc-uky.campus.mci.net  
res@cmprime.att.com  
rlp2pr@perry.stark.k12.oh.us  
saswel@unx.sas.com  
sbralr@[204.127.129.1]  
srichard@aldus.northnet.org  
trippo@sprintmail.com  
w2gum@juno.com  
w4du@bellsouth.net  
wb4lzq@atl.mindspring.com

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From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: rhight@primenet.com (Roger Hightower)  
Subject: [5608] QRP Christmas Special Event and unofficial Fox  
Message-ID: <199612041729.KAA06445@primenet.com>

This is the first notice of the Tri-City ARC's annual Christmas Special Event, from Christmas, AZ. We'll be operating QRP on Friday, December 13th from 1700-2100 MST (0000Z-0400Z) on 7.040 +/- . Will try to get some time up around 7.110 or so if we can get away from the Mexican QRM. There is a chance we will try some SSB, too, if we get another rig for that.

Saturday is set up for QRO SSB only. The call sign will be N0EL, just issued to the club as a vanity call (former member, now SK). QSL's to Bob, KI7MN. We have designed a nice, colorful card which will go out as soon as your card is received. SASE please.

Recap: 12/13/96, 0000Z-0400Z on 7.040 and 7.110 for qrp contacts. Callsign N0EL.

Hope to hear you all there.

'Nother thought: Any AZ SQRPIons who would like to join us, give me a call at 838-1215 or stop by our table at the Superstition hamfest on 12/7 for a map.

72/73 de Roger N7KT (ex AA7QY)

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: "Bob Smith" <bsmith@msn.com>  
Subject: [5570] QRP Power measurement w/ Bird 23  
Message-ID: <UPMAIL01.199612040718260487@msn.com>

Well - just invested in a Bird Wattmeter, for a variety of reasons - needed to accurately measure SWR and power through UHF, etc.

Much to my chagrin, and after the investment - I have found that Bird makes no 5W HF slug for QRP measurements. Any ideas how to make use of my bird for HF - the 50W and 100 W slugs just don't seem to have the resolution.

Thanks in advance.

Bob Smith

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: "Lau, Zack, W1VT" <zlau@arrl.org>  
Subject: [5616] QRP Power measurement w/ Bird 23  
Message-ID: <m0vVMEE-000fFIC@mgate.arrl.org>

I assume Bob meant the popular Bird 43 slugs.  
Yes, you can't buy 5 watt slugs to measure your  
40 meter QRP rig, even on special order. Actually,  
you probably could if you talked to the right person,  
spent big bucks, and got slugs that only covered  
narrow bands. The ARRL lab found this impractical.

I use the Tandem match in the ARRL Handbook  
with a 20 dB coupler. (10 turns on FT-23-43 cores  
instead of the T-50-3 cores) Full scale on the lowest  
setting is 100 mW. The automatic power-on circuit  
doesn't turn on at very low powers, something I need  
to fix, instead of using a handy clip lead...--Zack W1VT

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: wpc@west.net (John L. Roblin)  
Subject: [5629] QRP T-SHIRT NOW SHIPPING!!!  
Message-ID: <v01530500ae7747b536a4@[205.254.241.14]>

As promised, The Whiterook Products QRP T-SHIRT is now shipping!

This very unique T-shirt was designed by cartoonist, illustrator, and  
fellow QRP'er Chuck Roblin, WB6QLF (yes his call is real!!!). Chuck's  
fine illustration and great slogan on the shirt helps capture the essence  
of QRP. Check it out on our Web site:

<http://www.west.net/~wpc/>

Many thanks to all those who have already placed orders for this unique shirt.

73, John

John L. Roblin, WA6KY0 (QRP-L #759)  
President  
Whiterook Products Company (WPC)  
309 South Brookshire Ave.  
Ventura, CA 93003-4413  
The United States of America

Telephone & Fax: +1-805-339-0702  
E-mail: wpc@west.net  
World Wide Web Site: <http://www.west.net/~wpc/>

\*Manufacturer of a unique line of Pocket Mini-Keys and Mini-Paddles\*

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: "Ahrens Tim" <tahrens@devmail.sps.mot.com>  
Subject: [5584] Re[2]: G3TS0 Transceiver  
Message-ID: <9611048497.AA849719192@devmail.sps.mot.com>

Before you guys jump too far into the G3TS0 transceiver project, give a look at some of the devices used. If it's the same one I started on, those Plessy devices are impossible to find. A second option is some of the boards from Hands electronics (UK), available through Kanga USA.

Whatever you do, lots of luck!!

Thanks,

Tim W5FN

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: Owen Quarles <k1oj@swbell.net>  
Subject: [5546] shorthand  
Message-ID: <32A4CADC.313@swbell.net>

On 03 Dec 96 14:56:22 EST Dan Keen <70731.722@compuserve.com> writes:  
>Anybody have any opinion on whether it would be worthwhile to go to  
>night school for a semester and learn shorthand? In order to speed up  
>copying  
>away from a mill...  
>  
>It seems like back in High School the \_commercial\_ students' class  
>(mainly  
>girls) in this was subject was called Gregg or some such thing?  
>

>snip.....

Well in my opinion..for what it is worth..forget the shorthand class. You will no doubt find yourself even slower and more frustrated. You will have to do two conversions rather than just one, from code to letters to shorthand. That will slow you down. I can ragchew at 25+ wpm but that comes from practice, practice, practice. The key for me was realizing that I could not write as fast as I could copy the letters in my head. The next thing that opened my eyes was when I found myself trying to copy every letter and then spell the word. Soon I just started listening for the words and not really listening to the letters. That is when my speed really picked up. I started doing that at about 15-18wpm. I do have some trouble keeping my train of thought while coping cw at slow speeds in my head. I find myself reverting to coping the letters instead of the words and I lose track of what had been sent. I now run 20m and 40m cw mobile and love every minute of it. Relax, enjoy it and listen for the words. You can do it!

CU---OJ---K10J

QRP-L #732

..

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996

From: bcutter@teal.csn.net (Bob Cutter)

Subject: [5589] Shorthand

Message-ID: <199612041534.IAA24451@lynx.csn.net>

I write Gregg, have for years but I do not use it for Morse copy. It is just not comfortable and perhaps it is the "double conversion" someone mentioned.

72, Bob KI0G

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996

From: Joel Malman <malman@BBN.COM>

Subject: [5555] sprint report

Message-ID: <199612040320.WAA255242@nss2.CC.Lehigh.EDU>

Folks,

Here is my Monday night sprint report. I want to thank everyone who answered me, as this was my first sprint. I ended up with 7 (not 6) Q's. Tnx to all.



Q	T(z)	CALL	BAND	HIS	MY	STATE	PWR
=	====	====	====	===	===	=====	===
1	0231	N1RXT	80m	559	339	MA	4W
2	0236	W3TS	80m	569	559	PA	1W
3	0247	WD8RIF	80m	569	459	OHIO	5W
4	0301	KS4L	80m	569	329	AL	5W
5	0307	AE3JA	40m	569	539	GA	5W
6	0326	K4JUZ	80m	569	569	FLA	1W
7	0345	W3KC	80m	569	559	MD	5W

See you all next month.

72,3

/joel wa1qvm (concord, ma)

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
 From: Steve Bornstein <saborn@freenet.columbus.oh.us>  
 Subject: [5573] Ten-Tec Group Buy  
 Message-ID: <Pine.3.07.9612040232.A17119-b100000@login>

Hello Gang,

I am still taking orders for the Ten-Tec Group buy. I would like to submit the order on December 11th so time is running short. The pricing is 10% off the regular price on all Ten-Tec Kits as well as their aluminium enclosures.

For example the new 40 meter QRP rig (scheduled for shipment on December 13th regularly sells for \$95.00 and is offered in the group buy for 85.50. The 2 meter or 6 meter FM rigs (5w) regularly sell for \$195.00 are offered for \$175.50. For additional info see the Ten-Tec home page.

Shipment will be made to three locations AT NO CHARGE. The locations are:

1. Columbus, Ohio (Steve Bornstein K8IDN)
2. DC Area (Scott Rosenfeld NF3I)
3. NORCAL (Jim Cates WA6GER)

The reason for the shipment locations is that we must have a minimum of a \$500 dollar order for each location. If one of these locations is not convenient for you Steve K8IDN will ship your kits from Columbus for the cost of UPS.

At the present time we could use orders for the DC area.

If you wish to take advantage of this group buy please e-mail Steve K8IDN

(saborns@freenet.columbus.oh.us) your order and send a check to:

Steve Bornstein K8IDN  
475 East North Broadway  
Columbus, Ohio 43214

73/72 Steve K8IDN QRP-L #331

From owner-qrp-l@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: "Laura" <sputnik@imt.net>  
Subject: [5549] The internet...my viewpoint  
Message-ID: <199612040051.RAA16562@cu.comp-unltd.com>

Hi Everyone:

I couldn't help but put my two cents worth in on this latest "hot" topic. I've been using computers my whole life, since I was five, and a ham only for the last few years. I admit openly that I use internet/IRC/telephony regularly. I keep in touch with my family members in other states, friends I left back in Wisconsin and I do a great deal of business all on the World Wide Web. If my family and friends were hams, I'd be on the HF bands with them instead...but they are not. The internet is the "telephone" of the next century. It is simply another mode of mass communication. If the ham community "loses" any of it's members to the Internet, it might as easily have lost them to the television or telephone. When I first got "on line" my ham activities did suffer, but it was only temporary. When the newness wore off, I was right back on the bands...where I am at home. Sure, you can talk to just about anywhere, for free, on the internet - if your aim is to talk to people from someplace else...mission accomplished! (You've still got a monetary investment: computer, modems, internet provider, software...) But when you're a ham, it's not just that your "talking to Japan" that's so neat. It's the method by which you're doing it. QRP means nothing on the net. They don't know modulation from mayonnaise! "Operating" just doesn't take any real skills or intelligence on the internet (which is obvious to any of us that have had a conversation with some weirdo at two in the morning on the IRC - that's not to say there aren't a whole lot of highly intelligent net users out there, after all, I AM on frequently!). But when you are operating an Amateur Station, you are a skilled technician of sorts - and you had to learn certain basic

procedures to accomplish your goal. You understand propagation. You are in control of how much power is necessary for your transmission. You can chose your method of transmission, from CW, SSB, RTTY...etc. You have a standard and code of ethics that is second to none! For the most part, we all act like fine Ladies and Gentlemen in our dealings with each other on the bands. I can't think of another community with such respect. I don't see the FCC regulation as a "down side" to ham or a plus to internet. I see it as our guarantee of skilled operators and friendly QSOs. Sure, there's the exception to the rule...but spend awhile on the "net" and see how rude people can be! In short, anyone we lose COMPLETELY to the internet probably wouldn't have stayed an Amateur Operator very long anyway. I think ham radio and the internet compliment each other nicely. I agree that if we want to get together and talk, the ham bands would be my first choice also, but I'm not opposed to "Channel 72" on the IRC either. And just look how much fun and information there is on our QRP-L list!! It's a different format and may allow some hams access to each other that they didn't have before. Not all hams have HF rigs, or room for antennas...etc.

There are going to be some big changes in communications in the future, as there have been in the past and it is my opinion that ham radio will continue to stand the test of time and technology.

Humbly yours,

Laura

73 de KJ7UN, Laura Marino Lubner - Reese Creek Montana USA  
sputnik@imt.net homepage: <http://www.imt.net/~sputnik>  
GHRC / ARRL / MARC / QRP-L # 790  
"I am who I am and I make no apologies ... If I offend you,  
you probably needed it." Lea Delaria

From owner-qrp-l@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: earlve3ab@host.igs.net  
Subject: [5563] TV YOKE FERRITE  
Message-ID: <199612040348.WAA07998@host.ott.igs.net>

This weekend was spent improving the antenna system slightly at VE3AB but i did tinker a bit with my RF analyst and some ferrite and powder iron torroids from my junkbox. I put a one turn loop around a tv yoke and found it did cause the inductance to go up significantly at hf frequencies up to 34 mhz. however at different frequencies the inductance dropped off significantly particularly as i went higher in frequency. These are only general preliminary findings and I know

they aren't scientific but i didn't have the time to do a full analysis. The greatest increase in inductance for this small piece of #18 insulated wire was when I stuffed it through a rectangular slot in a piece of ferrite used for ribbon cable. I have read in the qrp literature that these "unmarked" torroids and ferrites (I have quite a bunch) are generally not good buys. I agree, unless you have a good Q meter and can measure the efficiency of transformers power in/ power out and other parameters i would say don't waste your time with the bargain basement torroids you see at the flea markets. the exception to this might be you could take a chance on some of the torroids that look identical to say the common t-50-2 or -6 etc. if they are being sold by a ham who ordered them for a project and never used them then perhaps they would be a good buy. BACK TO MY ORIGINAL TOPIC- TV YOKE FERRITES. I think they may be useful to wind non critical value RF CHOKES such as on a coax feedline to a G5RV or perhaps a dipole or to suppress TVI such as winding the line cord around the yoke. Problem is the yoke is often an awkward shape and thats why i thought of pulverizing the ferrite and pouring and compacting it into say a piece of PVC pipe or plastic rod. One could use this as a choke "current balun". The whole idea of a "choke balun" as i understand it is to raise the inductance hence inductive reactance of the conductor in which we don't want rf to easily flow on such as the shield of a transmission line. I know it would be simpler just to go out and buy a bunch of torroid forms. I have placed two previous orders to amidon before and the last time i did order a large ferrite torroid and it cost me \$10 US! Thats why im looking toward using some cheap material for the noncritical applications where efficiency of the transformer and inductance and q are not critically specific ie as a simple rf choke. 72 es good qrping earl ve3ab@igs.net

From owner-qrp-l@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: lve1@inel.gov (Larry V East)  
Subject: [5630] Unsolicited files...  
Message-ID: <2.2.16.19961204230000.283fc646@eloi>

It appears that Microsoft's email program likes to send some sort of encoded version of an email message as an attached file. I really don't like unsolicited files showing up on my PC -- is there any way that you folks using the MS email program can tell the little beast to stop doing that?

72, Larry W1HUE

PS -- Sure hope 40M has some decent propagation tonight!

From owner-qrp-l@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: "Gary M. Diana, Sr." <gm dsr@vivanet.com>  
Subject: [5551] Update: The Tiny CMOS Keyer (TiCK)  
Message-ID: <32A4D0F2.77A1@vivanet.com>

The following is an update on the Tiny CMOS Keyer (the TiCK)

-----  
The Details:

The TiCK uses the latest in SMALL microcontroller technology from Microchip Corp (<http://www.microchip.com>): the PIC 12C508, the world's first 8 pin microcontroller.

The TiCK Chip is a mode B iambic keyer with speed adjust, tune, paddle select, and sidetone functions. It is designed to be embedded into a transceiver, or built standalone.

The TiCK board is approximately 1"x1.25". Besides the TiCK chip, it has space for 2 resistors, 5 caps, 1 transistor, and a 5v regulator. Pads are available on the board for: paddle input, pushbutton input, power in (3-5v), power in (7-14v), keyline out, and sidetone (piezo) output.

The parts kit consists of: 2 resistors, 4 capacitors, 1 transistor, 1 5v regulator, a mono jack, a stereo jack, 1 N.O. pushbutton switch, and a piezo audio device.

The TiCK Chip is offered for sale as follows:

-----  
TiCK Chip/datasheet -- \$5 postage paid  
TiCK Chip/datasheet/PC board/Manual -- \$10 postage paid  
TiCK Chip/datasheet/PC board/Manual/parts -- \$16 postage paid

(All postage paid orders are within the CONUS only; contact us for DX rates).  
-----

Delivery Schedule

We are expecting to receive the PIC microcontrollers on or about December 23rd. There was a slip in the delivery schedule, and this new date is from the Microchip Distributor we work with.

If you have been listening to the QRP-L of late, then you know that one of the newest NorCal projects, the 38 Special by Ori AC6AN, has included space on the board for the TiCK Chip.

For more information on the 38 Special, check out:

<http://www.fix.net/~jparker/rpt.htm>  
<http://www.fix.net/~jparker/decmtg.html>

For more information on the TiCK, check out:

<http://www.vivanet.com/~gmdsr/tick.1.html>

or email Embedded Research at: [gmdsr@vivanet.com](mailto:gmdsr@vivanet.com)

73, Gary N2JGU  
[gmdsr@vivanet.com](mailto:gmdsr@vivanet.com)

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: ROYGREGSON@aol.com  
Subject: [5571] XMAS Specials  
Message-ID: <961204034543\_1985873175@emout09.mail.aol.com>

Hi Gang.....I'm pleased to announce a XMAS special commencing now 12-3-96 and ending on 1-1-97. Any orders received within that time period will be eligible for the following package price. The package will consist of the transceiver kit, band of your choice, the AF-1 audio filter, and the cabinet kit. Normally this package would come to \$130.00 including S&H. The XMAS special price will be \$120.00 including S&H. The new ZM-1 ATU is normally \$45.00 plus \$5.00 S&H. The XMAS special price will be \$36.00 including S&H. Shipping will be Priority mail, and in most cases is 3 working days. Make checks payable to EMTECH, 3641A Preble St. Bremerton, Wa. 98312 Please see web page at <http://www.isomedia.com/homes/starbuck/emtech.htm>  
72's/73's Roy  
P.S. if I'm a little slow getting back to e-mail questions, added Win95, and have some minor computer problems.

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: Bill Meahan <[www@wa8tztg.mi.org](mailto:www@wa8tztg.mi.org)>  
Subject: [5631] Re: "38 Special" Order Forms  
Message-ID: <32a60186.wa8tztg@wa8tztg.mi.org>

On 4 Dec 96 at 13:33, Doug Hendricks wrote:

> Guys, Jerry Parker is absolutely amazing. I sent him a message this  
> morning and inquired if he could do an order form on the NorCal page  
> so that guys would know the information that we needed for their

> orders. Jerry not only did the form but made it so it can be  
> printed directly from the webpage. All that you need to do is print  
> it from your webbrowser, and you have a nice preprinted order form  
> to send Jim Cates.

Er, I already sent an order in yesterday morning. It was in the hands of the Postal Service by 9:00 AM EST (that's 6:00 AM for you left coasters). I included my name, address, call, NorCal membership number, email address, home and work phones. Was that sufficient???

72!

Bill Meahan WA8TZG [wmeahan@wa8tzg.mi.org](mailto:wmeahan@wa8tzg.mi.org)  
ARRL, IMRA, QRP-L(#117), NorCal QRP (#407), G-QRP (#8468), MI-QRP (#M1458)  
All statements herein are worth exactly what you paid for them  
cat: a purr bearing mammal

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: kd1jv@juno.com (Steven Weber)  
Subject: [5607] Re: 80 meter HASH  
Message-ID: <19961204.123241.7591.0.KD1JV@juno.com>

>I have so much "noise" around the qrp freq (3.560) on 80 meters that  
>a hash or buzz which peaks around 3.548 at 10 over, and again at about  
>3.558 kc.

The frequency you cite is very close to the TV color burst freq of 3.579545 Mhz. allowing some slop for dial calibration and 700 Hz offset, it comes out real close, so this is most likely the source. Some sets can really put out a strong color burst signal ! Also, it might be coming from a VCR, which is still on when it's off. (most VCR's only turn off the motors and display lights when they are off) and, Most modern consumer electronics use a switching supply that is all ways on.

Judging from the strength of the signal, it might be coming from your house. Go around and un plug all the TV's and VCR's in the house and see if the signal goes away. If you live in a fairly congested area, then it might be the sum total of all the TV's and VCR's in the area.

BTW, The FCC is looking at regulations that would shut you down if you interfere with the cheap, poorly shielded, marginally designed consumer electronics. Wonder if we can make that work both ways, when consumer electronics interfere with our stuff ?????!!!! (try telling the old lady or big beer belly next door thier TV is interfering with your QRP freq and they have to turn the set off!!)

de KD1JV Steve

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: "David D. Meacham" <ddm@datatamers.com>  
Subject: [5621] Re: 80 meter HASH  
Message-ID: <Pine.LNX.3.91.961204124736.19038A-100000@dt1.datatamers.com>

Jim,  
Try a "BuzzNot" from Wilderness Radio. It's a good noise-blanker kit on a tiny board made for QRP rigs.  
72, Dave, W6EMD

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: lbbarley@feist.com (Bruce Barley)  
Subject: [5572] Re: AEA For Sale -- A. R. Newsline comments  
Message-ID: <199612040928.DAA03978@wichita.fn.net>

>To: qrp-1  
>From: lbbarley@feist.com (Bruce Barley)  
>Subject: Re: AEA For Sale -- A. R. Newsline comments  
>  
>>Return-Path: n2tnn@ifu.net  
>>Posted-Date: Tue, 3 Dec 1996 21:49:54 -0500 (EST)  
>>From: "Dean Marzocca" <n2tnn@ifu.net>  
>>To: <lbbarley>  
>>Subject: Re: AEA For Sale -- A. R. Newsline comments  
>>Date: Tue, 3 Dec 1996 21:41:36 -0500  
>>X-MSMail-Priority: Normal  
>>  
>>  
>> Bruce Barley <qrp-1@Lehigh.EDU>said:  
>>  
>>  
>>>the only ones who seem to be  
>>> moving into ham radio are those who are actually  
>>>interested in electronic  
>>> technology - and we know that with surface mount  
>>>technology steadily  
>>> replacing conventional (?) components, this is a field  
>>>only for those with  
>>> keen eyesight, nimble fingers, and the patience of Job.  
>>>



>>> Eliminate the no-code ticket holders, and then look at  
>>the average age of  
>>> ham operators.  
>>  
>> Bruce says he is not a gloom and doom kind of guy but I  
>>agree with what he says. And it took 38 years for me to get  
>>here and now everyone is leaving. The SK list in QST is  
>>longer than the list of new HF hams. He's right, we might  
>>be here by ourselves.  
>> I can't wait for tomorrow so I can learn something new or  
>>build a new rig. Its just like the stock market, I get in  
>>and everyone sells short. WOW who would have known. I have  
>>one better than you Bruce, I have 4 kids and they are all  
>>on AOL but not one wants to contact South Africa between  
>>all the static and QRM when they can telnet there and have  
>>the same conversation. No, wait, they can have a longer and  
>>better conversation. Who loses in that? Forget about QRP!  
>>They think that's dumb.  
>> Maybe I'm a bit old fashioned but I am having fun.....  
>>72, Dean N2TNN, QRP in NJ  
>>  
>>Bruce, I was going to CC the list but it is too depressing.  
>>You can forward it if you think it would benefit everyone  
>>else.  
>>  
>>  
>Well, gang - The important point is not to bail out, but rather to draw a  
line in the sand, and say OK, we are here. Then begin consistently charting  
your course, and move in the direction of your goal. The goal: nurture and  
enrich the ham radio experience, sharing it with those of kindred spirits.  
>  
>Bruce KB0PZD  
>lbbbarley@feist.com

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: Ken Lopez <kjlopez@earthlink.net>  
Subject: [5565] Re: Contact Mars WM-75  
Message-ID: <32A4E9B0.C68@earthlink.net>

Hi George,

Over the last two Summers, using first a TenTec Argosy @ 5w, then a  
QRP++ at 5W I worked into Ariz and So Cal repeatedly from a cabin in  
Central Cal near the Monterey Peninsula. This on 75M SSB. Using the  
W3EDP wire and the Argosy on 20m from the cabin, worked Japan, Eastern

US, South America, and Australia on 5w in a two hour period.

On field day, from a campsite near the water south of Santa Barbara, I worked all over the west on 40m SSB, and 75m ssb, 5w to a W3EDP wire. It is fun, and it often works with good signal strength to boot!

Low power SSB with simple antennas can work, even at the bottom of the cycle. And it is really fun, as you now know.

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: "Stephen C. Finch" <radiobus@A.crl.com>  
Subject: [5591] Re: Drake Advice PLEASE...  
Message-ID: <32A1B783.2D67@a.crl.com>

ukii wrote:

>

> Hello, and sorry to bother the list again...

> Anyone have info on a Drake TR7 ?

ukii,

I've owned a TR-7 since they first came out and have used it ever since. While many rigs have more bells and whistles, the performance differences are slight. Used for many Field Days, it still is one of the few rigs that actually is able to successfully handle the overload of many signals. (Measured -119 db floor and +7-10 db third-order intercept, 20 khz spacing on signals using ssb filter)

I have "turned down" the rig to less than 5 watts many times. I'm sure the rig operates VERY inefficiently but it works.

I have a modification (a couple of diodes) that turn the TR-7(A) into a general coverage receiver AND transmitter without the 14-pin dips the manual calls for.

If the price is right (I'm not sure what is a 'right price'), it is a good rig - even if it is fifteen years old (or so).

Steve Finch  
AIOW

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996

From: "'AB7HI' Stephen Lee" <slee@u.washington.edu>  
Subject: [5610] Re: Drake Advice PLEASE...  
Message-ID: <Pine.A41.3.95b.961204085500.105682D-1000000@homer35.u.washington.edu>

The Drake TR-7 is a very good radio. When the local radio club here in Tacoma, WA, sold their station's TR-7 they got \$700 for it. As I recall it was a basic model TR-7 without the AUX-7 or DR-7. You'll get WARC band transceive capability with the AUX-7 option, and VLF (receive only). The DR-7 optional digital readout really makes this radio. When the factory installs this option they add an input on the rear panel so the digital readout can also be used as a separate frequency counter. A nice little extra! Another feature I like is its ability to sense the SWR and self limit its power. If it has the fan option (an easy add-on) then the duty cycle is 100%. The fan is whisper quiet.

The one negative factor is that it requires a 25 amp 12VDC power supply. Coasting along at QRP levels it consumes around 4 amps. Drake rates the maximum input power at 250 watts. The front panel power control will allow one to select any input power setting between 0 and 250 watts.

If you get one, you're gonna like it a lot!

Stephen Lee, AB7HI  
slee@u.washington.edu

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: "'AB7HI' Stephen Lee" <slee@u.washington.edu>  
Subject: [5613] Re: For Sale - Ceramic Filters  
Message-ID: <Pine.A41.3.95b.961204101802.105682K-1000000@homer35.u.washington.edu>

OK, how about a filter set then, hi hi.  
Just let me know, Ed.

Stephen Lee

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: "William O. Reichert" <billnihh@apci.net>  
Subject: [5577] Re: FOX: Tuesday 12/4 UTC

Message-ID: <199612041257.GAA20446@hilly.apci.net>

I agree, last nite was interesting. I got the N/T fox earlier in the evening, although I didn't hear him until over half an hour into the mission. Then he was quite strong. That surprised me, because South Bend is only about 300 miles from here. Good job Barry.

Then, Randy I started listening for you right at 0200. I didn't even think I heard you, although I could hear some of the pack calling. By 0230 I figured it was going to be a wash, so I went back up stairs with family. Just before 0330 I went back to rig, mostly to shut things down, but took another listen. Still no good. I tuned around a bit, came back to just above 7037 and there you were, quite strong, 579 anyway. By the time you finished working the contact before me and called again, you were down to S5. By the time we finished the contact you were just about gone. I didn't listen for too long afterward, but I you didn't come back up in five minutes or so.

Thanks for the contacts, gents.

72/73,  
Bill N9HH

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: dmatt@roch875.mc.xerox.com  
Subject: [5583] RE: FW: AEA For Sale -- A. R. Newsline comments  
Message-ID: <Chameleon.961204094512.dmatt@dmattthews2>

Ben - 7 years old - is getting a Ten Tec 4 band regen rxer for Christmas. He got a big kick out of helping ;-) build my Explorer and wanted a solder together kit to build. And he wanted something that would take more than a few minutes to build. When he gets done with the electronics we will have the woodworking project to build a case for it.

Dave KB2YWT

-----Original Message-----

To which I add, Share Ham Radio with a youngster - before he or she discovers the opposite sex!

I did, and what a remarkable experience, I re-lived the experience of becoming a ham myself...

Chris Reich WB2DYJ

Past President - Rochester Amateur Radio Assn.

-----

>Well, gang - The important point is not to bail out, but rather to draw a line in the sand, and say OK, we are here. Then begin consistently charting your course, and move in the direction of your goal. The goal: nurture and enrich the ham radio experience, sharing it with those of kindred spirits.

>  
>Bruce KB0PZD  
>lbbbarley@feist.com

-----End of Original Message-----

-----  
Name: Dave Matthews  
E-mail: dmatt@roch875.mc.xerox.com

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: Peter Barville <peter@barville.demon.co.uk>  
Subject: [5619] Re: G3TSO Transceiver  
Message-ID: <5GgWGGAGPdpYEW0I@barville.demon.co.uk>

>Before you guys jump too far into the G3TSO transceiver project, give a look at some of the devices used. If it's the same one I started on, those Plessey devices are impossible to find. A second option is some of the boards from Hands electronics (UK), available through Kanga USA.  
>  
>Whatever you do, lots of luck!!

Yes, I have built the G3TSO multi-band ssb/cw tcvr, and have to say that it (with one or two modifications) performs pretty well. Very many have been built here in the UK.

However, finding a suitable source of the Plessey chips is now likely to prove very difficult indeed. A great pity.

I can also vouch for the excellent Hands GQ series tcvs (mine is the 20m version). I believe Hands offers a multi-band ssb/cw rig as well.

72

--

Peter G3XJS

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996

From: doster@umr.edu (George Doster)

Subject: [5596] Re: Gray Line speed & DX

Message-ID: <199612041614.KAA23269@hermes.cc.umd.edu>

The gray line speed will depend on the latitude and the day of the year. Remember near the north pole right now it dark all the time! One can calculate the speed of the gray line given a latitude and day of the year (plus some interesting trig.) I haven't done it, but it would be a couple hours of thinking and writing.

Jay

>Hello Gang,

>

>If you hate 40 meters at night, try it in the early morning.

>

>I worked TI5NW in Costa Rica at 1100 utc. Which brings up another

>subject. The gray line speed over the Earth.

>

>I have a Geo globe program that tracks the terminator as it moves

>over the Earth. It moves in real time and is fascinating to watch.

>As it moved, I wondered just how fast it went, measured in speed over

>the ground. So I calculated the speed by changing local time on the

>program and noting it took 27 minutes to get from a line perpendicular

>to Toronto, to a spot in Massachusetts that is on the terminator at the

>same time that Canaan NH. is. The distance was 348 miles and that

>figures out to 773 miles per hour.

>

>Using the rough diameter of the Earth, and 24 hours. It comes out to

>1029 miles per hour. I am guessing that the difference is seasonal.

>

>So how about it. Can any of you folks get the speed any more accurately?

>

>Just curious, that's all.

>

>BTW, Costa Rica was s9 here in NH.

>

>73 de AA1IK

>Ernie

>

>

>

George Jay Doster                   doster@umr.edu           NOPMY  
Cloud and Aerosol Sciences Laboratory  
Univ. of Missouri - Rolla

QRP-L #739

Disclaimer: All spelling mistakes are my own and not Webster's.

From owner-qrp-l@Lehigh.EDU Wed Dec 4 18:02:51 1996

From: Kevin Muenzler <muenzlerk@uthscsa.edu>

Subject: [5602] RE: Gray Line speed & DX

Message-ID: <01BBE1CF.29F19A40@muenzlerk.uthscsa.edu>

On Wednesday, December 04, 1996 9:25 AM, ERNEST GREGOIRE[SMTP:GREGOIRE@ENDOR.COM] wrote:

>Hello Gang,

>

>If you hate 40 meters at night, try it in the early morning.

>

>I worked TI5NW in Costa Rica at 1100 utc. Which brings up another

>subject. The gray line speed over the Earth.

>

>I have a Geo globe program that traks the terminator as it moves

>over the Earth. It moves in real time and is fascinating to watch.

>As it moved, I wondered just how fast it went, measured in speed over

>the ground. So I calculated the speed by changing local time on the

>program and noting it took 27 minutes to get from a line perpendicular

>to Toronto, to a spot in Massachusettes that is on the terminator at the

>same time that Canaan NH. is. The distance was 348 miles and that

>figures out to 773 miles per hour.

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>Using the rough diameter of the Earth, and 24 hours. It comes out to

>1029 miles per hour. I am guessing that the difference is seasonal.

>

>So how about it. Can any of you folks get the speed any more accurately?

>

>Just curious, that's all.

>

>BTW, Costa Rica was s9 here in NH.

>

>73 de AA1IK  
>Ernie  
>  
>  
>

You are right, at the equator the speed of the terminator is about 1029 MPH and does vary with longitude. The farther north you get the slower the terminator moves in relation to the ground. If you were one inch from the geographic north pole on the equinox the speed of the terminator would be 3 inches per day. You have to be careful when you estimate using distance because the speed isn't linear. To get the exact speed you have to take a circular cross section of the Earth at your latitude and then do the same calculation you did using the equator.

Kevin, WB5RUE

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: "Paul R. Valko" <prvalko@Oakland.edu>  
Subject: [5580] Re: Ham radio & CW is alive and well!  
Message-ID: <Pine.OSF.3.95.961204092102.1787C-100000@saturn.acs.oakland.edu>

On Wed, 4 Dec 1996, Craig J. Sterling wrote:

> Ham radio is alive and well, even with young folks. Last evening I  
> worked KF4MLJ, Matt in Cookeville, TN on 75M CW. Matt was born in  
> 1985!!!!!! He didn't miss a letter ... sent with a straight key also!!!

Last night my seven year old daughter Katie (the "K" in W8KC) were on our way to pick up my five year old daughter Colleen (the "C" in W8KC) from her Daisy Scout meeting. Katie threw my call out on the repeater and was answered by Diana, the seven year old daughter of N8RUH. They have NEVER talked before and this was unplanned by the dads.

The two girls had an enjoyable, 10 minute QSO discussing Barbies, Santa Claus, Christmas Lists, their pets, books, school, and Girl Scouts.

It was the most intelligent, content-intensive, conversation I'd heard on the repeater all day. They never once discussed the weather or the driving habits and parental ancestry of the drivers in the cars around us.

73 =paul= W8KC



Collector of TenTecs and other fine plastics

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: lhalliday@creo.bc.ca (laura halliday)  
Subject: [5615] Re: How did I get started in ham radio?  
Message-ID: <199612041834.KAA02888@BC.net>

People have certainly been posting some interesting stuff, but what I'd *\*really\** like to see is some input from newer (i.e. post-No Code) hams. The motivations seem to be very different...

I passed my Basic in 1993 (1 April - no kidding!), and while I had been interested in radio and electronics for a long time, had never gotten around to getting my license. But one day while browsing the books at one of the local electronics stores I happened across a study guide put out by one of the local ham clubs, observed that it looked and sounded a lot different than anything I had read before, and, if the question pool it gave samples from was any indication, I could pass the exam on the spot. A couple of weeks I did, with a mark of 93%. When I did my Advanced I improved on that score (96%). Along the way I got both my 5 and 12 wpm Morse qualifications, so I now have full privileges on all bands.

The only Elmers I've ever really had have been via the Internet - with few exceptions the local ham clubs are groups of OFs whose technical education ceased before I was born. We thus have very little to talk about. There are a number of extremely interesting people who have nothing to do with clubs (I'm starting to understand why, sadly...), and a couple of loose gatherings like the BC QRP group that are enormous fun. I agree with W2NSD/1 on this - too many ham clubs perpetuate 1930s culture and mores, and are finding themselves irrelevant in the 1990s.

In the Internet-vs-Ham Radio debate, having been on the Internet and its predecessors since 1985, it's a big yawn for me. But I do meet many people for whom radio has become passe, and the Internet is far more interesting and seductive than radio ever was. There *\*should\** be enormous scope for development and cross-fertilization. But except for a very few heretics like KA9Q who are doing seriously clever things with digital data, I just don't see it

happening. Why?

If you want a real eye-opener, have a look at any of the professional magazines. Wireless is the Next Big Thing. All the development is on frequencies like 2.4 GHz. Sigh.

Laura Halliday VE7LDH	"C'est une femme mutine, assez
lhalliday@creo.com	elegante, grave et legere, ayant le
ve7ldh@amsat.org	sens du confort et du plaisir
Locator: CN89mg	en tout." - C. Deneuve

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: Yin Lung Shih <ylshih@alumni.caltech.edu>  
Subject: [5626] Re: How did I get started in ham radio?  
Message-ID: <199612042146.NAA09234@alumnae.caltech.edu>

A request was made for bios of recently licensed hams.

I'm 39 and when I was about 10 years old I became fascinated by electronics. Along with all the electronics books at the library, there were also some ham radio books. These led me to QST and the ARRL books as well. Tried on and off to learn the code for about 4 years but never got anywhere as I didn't think to find an Elmer. Interest faded after I started college and got too busy. I am an EE now, but I don't think it was because of the early interest in ham radio, rather I got interested in ham radio because of my interest in electronics.

1-1/2 years ago, I happened to pick up a copy of QST at a library book sale. For a nickle, I bought it. As I browsed it at home, I picked up three important items: a realization that there was now a no-code tech license, an ARRL phone number to call for test sites, and internet addresses and newsgroups on ham radio. I should have known to scan for the newsgroups in my .newsrsrc as I have been on Usenet/Internet since 1982, but I just never thought about it. I figured without a code test requirement, I could at least get to tech so why not, I should get a license finally.

Anyway, those tidbits led me to computerized test programs, code practice programs and a test site. Once I saw that I could pass the written tests all the way through Extra without any trouble because of my EE background, it became something of a challenge to learn the code well enough to get a higher grade license, so I tried the code practice programs. These

were a big advancement over trying to listen to noisy/too-fast code on the SW receiver I had when I was a kid and they made a world of difference. So a month after I picked up that issue of QST, I went to my first test session and got my Advanced license. Then twelve months after that, I passed my 20wpm test and got my Extra. Just in time to pick up a vanity call too.

At this point, I'm sort of ambivalent about the code. I learned it, but it isn't why I became a ham. It would have been nice if that hadn't been a stumbling block 25-30 years ago as I might have some good stories and memories to add about ham radio other than to tell you that I just got my license.

To some extent I've been making up for lost time as I now have a satellite rig, an HF rig, 3 qrp rigs, and assorted HT's as my wife and daughter also became hams, getting their tech licenses six months ago. My son also wants his now since he doesn't want to be left out.

Yin Shih, N9YS  
ylshih@alumni.caltech.edu

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: "Warren E. Lewis" <saswel@unx.sas.com>  
Subject: [5628] Re: How did I get started in ham radio?  
Message-ID: <199612042213.AA08593@cardamom.unx.sas.com>

Gang,

I have found all of the stories about how folks got interested in Amateur Radio very enjoyable and I thought I would add my own to the list, particularly since I am a post no-code ham.

First off, I do not have a single relative that has been involved or has been the least bit interested in Amateur Radio or even Short Wave Listening. I also have had no neighbors or family friends that were involved in Amateur Radio.

What did happen was that when I was 11 or 12 years old (circa 1978) I started playing with Radio Shack electronic kits one of which was a Morse code transmitter that transmitted a signal to a regular AM radio. I didn't learn Morse from this I just looked at the cheat sheet and was fascinated by the fact that I could send a signal without wires to the radio across the room. Later, I moved up to playing with walkie talkies and a little bit of Channel 14 CB Radio stuff, then came junior high school, high school,

and more importantly girls!! :-)

I never thought much about radio through college as I was wrapped up in studying computer science, motorcycles, and the other interests that only university life can present.

After graduating from college and getting a job I started pursuing a long time interest in aviation and set forth to get my pilots license. This is where things started falling together to lead me into getting my Ham license. First, I bought a scanner so that I could listen to the local airport frequencies so that I could better understand Air Traffic Control and Aircraft Radio procedures. With the scanner came a chart with the basic frequency allocations which included police, fire, commercial, and you guess it HAM Radio(6m, 2m, and 70cm). Secondly, I discovered my flight instructor was a ham. The radio navigation beacons used by aircraft have Morse Code identification so as to be able to verify that you are using the correct one. During one of my flights with my flight instructor I noticed that he could very quickly recognize the Morse Code id with out looking at the Dashes and Dots on the Aircraft navigation chart. My flight instructor was a long time Amateur who was one of the founders of the local ham radio club. The funny thing is, is my flight instructor really didn't encourage me or really elmer me. My elmers came in the form of the QRP list, 2m repeater scanning, "Now You're Talking", Study guides, and the rec.radio newsgroups.

At first, I thought I would just get the Technician No-code license, but between hearing folks on the local 2m repeater, QRP list and study guides I became very intrigued with the whole idea of being able to communicate with people in other countries.

Not having a real elmer was a bit of a hindrance because I picked up a few bad on the air practices, but, after a few conversations with kind hams that pointed out the error of my ways I got started on the right path. I have since then been elmered by hams via 2m, hams at club meetings, hams via CW, hams via SSB, hams via the digital modes, hams via QRP, hams via satellites, hams via internet, and hams via email.

I think it is amazing to think that we all come from such diverse economic, religious, ethnic, and social backgrounds yet we all share the common bond of enjoying communicating with each other and the world with the most modest amounts of power!!

I will sorely miss reading the email from all of you next year!!

cheers - Warren

--

Warren E. Lewis  
Technical Support Division

saswel@unx.sas.com  
(919) 677-8001 x6542

SAS Institute Inc.  
Cary, NC

AD4ZE    QRP-L#78    PP-ASEL  
DOD#0021

From owner-qrp-l@Lehigh.EDU    Wed Dec   4 18:02:51 1996  
From: QLF@mimi@magic.itg.ti.com  
Subject: [5585] re: HOW DID I GET STARTED IN HAM RADIO??  
Message-ID: <9612041503.AA20452@itg.ti.com>

From: Brad Bradfield    QLF

Subj: re: HOW DID I GET STARTED IN HAM RADIO??

Good morning QRP dudes and dudettes - -

I really don't remember what got me interested to begin with, but my dad was a radar repairman in the Army in WW-II, and worked for the telephone company after the war, so he had a pretty good knowledge of the electronics of the day.

At age 12 I saved my pennies (probably actually dimes if I remember correctly) and bought a Knight-Kit Space Spanner. Think it cost 12.95 plus 2.95 for the case and another couple bucks for the cans. My dad and I built that in December 1960. I kept that radio until I went in the Navy in 1970 when I accidentally let it get away from me. I'd sure like to have it or a replacement today.

I started learning the code a couple of times in the early to mid-60's, but never stuck it out. Went through the available electronics classes in high school, and worked in a TV repair shop for a couple years. Spent a year in college, then went to an electronics tech school in Denver in 1967. Was called National Electronics Institute, later Denver Institute of Technology. Don't know if it exists any longer or not.

Went back to college in 1969 and into the Navy in July 1970 as an Electronics Technician. In March 1970, a room mate showed some interest in amateur radio when I explained it to him, so we started teaching each other the code. Ade Weiss, K8EEG, gave us the code test and the night before field day, the written test. My room mate missed one too many questions, and never took the test again. I became WN0CGH in August 1970, and WB0CGH in February 1971.

After the Navy, decided to go back to college to study electrical engineering and actually get a degree once and for all. Worked in broadcasting, on the air and engineering, on and off from 1966 to 1980. Graduated with a BS/EE in 1980 and came to work for Texas Instruments.

Been through the usual range of interests and equipment. Built an HW-16. Later bought an old Collins S-line in 1971. Sold that and bought a new TS-520S in 1978. Just sold it a couple of months ago. Also owned a TS-820S for

several years. Been through the RTTY phase (Model 19, REAL green keys!), VHF/UHF (still got a lot of that equipment), and so on, but through it all has always been the love of CW and finger talking.

Now the only HF radio I own is the Sierra (gonna finish it before long!) Well, actually, I do still have my Uniden 2600 10-meter rig.

I really got into QRP when I bought an MFJ-9040 three or four years ago. Sold that to help finance the Sierra. Did a 1B-battery field day in 1994 and 95. Will do it again next year.

Love the QRP-L since I got on it in January. Real ladies and gentlemen. Stuck on digest mode now though since it's gotten so big.

Sorry 'bout the length of this post, but since someone started the thread figured I'd join the fray too.

72's es 73's,

Brad, WB0CGH

\*\*\*\*\*

Brad Bradfield, PE	Electrical Design Engineer
(H) 817-321-2960	Texas Instruments, Inc.
(W) 214-462-6230	

Real men talk with their fingers!

QLF@MSG.TI.COM

WB0CGH@W05H.#DFW.TX.USA.NA

ARRL Life Member QRP-L #377 SMIRK #4906 IEEE(M) ARS #72

Collector of wireless and landline Morse keys and accessories.

\*\*\*\*\*

From owner-qrp-l@Lehigh.EDU Wed Dec 4 18:02:51 1996

From: Jim Flanders <jimflanders@ti.com>

Subject: [5592] re: HOW DID I GET STARTED IN HAM RADIO??

Message-ID: <BMSMTP8497191140a0198560@dshmail.itg.ti.com>

Good Morning QRPers

My Dad was a COB (Chief of the Boat) on the S-32, S-35, and O-10 submarines before and during WWII. When Manilla fell, we moved first down to New Guinea, and then to Australia. My father required his family to learn morse code and then to write down everything we heard on the short wave bands. All these notes

were passed on to analysts who were hoping to glean intelligence from them.

When we got back to New London submarine base (3 weeks on a Pan AM Clipper) I took the Class III exam and passed. I was 9 years old. The only band

available

at the time was 2.5 meters (112 Mhz), but when two meters opened up I moved the equipment to that band. Then I converted an ARC-4 to two meters. I still have that rig. During H.S I took a correspondence course at CREI which has always helped me.

When I became 17, I went into the reserves and got my dophins before I graduated from H.S. So I had my Dolphins as a Cadet at Kings Point. At Kings Point there was

a 183 foot flag pole which I gamma matched and fed with 250 ft of underground cable

from my barracks. The TX and Rx were hidden in hollowed out dictionaries. Power out

to the coax was 5 watts, but the antenna was so good on 80 meters I worked almost

anything I heard. The Sea Year at Kings Point was a blast. I spent too much of

my time in the Radio Shack vs the bridge. But the Hams I met throughout the world

by communicating with the next port-of-call was astounding, and a separate story.

When I finished Kings Point, I went back to submarines and had a ball (In the Shack vs the Bridge where my duties were). I spent many hours running phone patches

while running submerged with just the snorkle up and a whip antenna on the snorkle.

Transmitter was a KWM-1. This is too long so that's enough.

Jim W0oog/5 in Plano, TX

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996

From: launerb@crl.com (William H. Launer)

Subject: [5561] Re: I hate 40 Meters

Message-ID: <v01530503aecaa4385e3d@[192.0.2.1]>

Now I have to eat my words - I got him!

72/73 Bill wb0cld

Bill Launer

St. Charles, MO

launerb@crl.com

wb0cld@wb0cld.ampr.org [44.46.66.25]

qrp-1 #279 qrp arc1 #3551

Grid Square EM48RT

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: Ed Tanton <n4xy@avana.net>  
Subject: [5560] Re: Internet vs Radio  
Message-ID: <3.0.32.19961203224028.0093e1d0@tiger.avana.net>

I respectfully disagree Claton: to me, the comparison between Internet communication and Amateur Radio Communication is an 'apples & oranges' matter. They provide overlapping services/abilities in entirely differing manners. Neither one provides-for me-what the other does, and never will. A communication-even in real time and no matter to whom-utilizing Heaven knows how many layers of networking protocols and such, could never remotely equal hearing the signal of another radio amateur directly from his antenna to mine. The actual photons leaving his antenna, traveling around the world, and entering my antenna are being detected in my receiver. No comparison whatever for me.

At 06:50 PM 12/3/96 -0600, Claton Cadmus wrote:

>We all love radio, we don't like anything that takes away from that. But  
>the Internet is not our problem. Ham Radio is what it is, we as  
>participants are here for the Hobby. It will never be a world wide  
>communications system of any importance except in the case of an  
>emergency. And that's as it should be. On the other hand, the Internet  
>is the prototype for the future of global communications for the masses.  
>

>The problem is not that the Internet is taking our young operators, it's  
>that we are not seizing the opportunity to use the Internet to promote Ham  
>Radio and allow the young to be bitten by the Ham Bug. The Internet is  
>filled with just the type of individuals we want to attract. Getting new  
>operators is all in the percentages. The more people we reach, the more  
>new members of our hobby we will attract.  
>

>This list is a wonderful way to get people interested, but how do they  
>find it? The newsgroups are probably our best media, but I don't see a  
>rec.radio.amateur.beginner and the junk that goes on in some of the  
>existing ham newsgroups doesn't help a bit. WWW pages are great and  
>everyone that has one should have a link setup to point to pages for  
>potential novices.  
>

>So what can you do as one ham to make the Internet serve Ham Radio. Easy.  
> If you have a ham homepage put some beginner links on it. When you visit  
>a ham page that doesn't have beginner links, email the owner a friendly  
>note. Maybe even provide the URL's of a couple good beginner pages. When  
>you read the newsgroups, if you see a conversation get out of hand send a  
>private polite email with your reasons. If you have to, because of poor  
>language or inappropriate postings send a copy of the post to the



>postmaster at the offenders address. Check the search engines from time  
>to time for new links. Basically, promote Ham Radio.

>  
>My two cents.

>  
>Claton Cadmus |73 de KA0GKC  
>Application Technologies Inc. |ARRL, QRP-ARCI, NorCal  
>Ph. (612)926-8886 |ARCC, MNQRP Society  
>Fax (612)926-8545 |ka0gkc@ka0gkc.ampr.org  
>E-mail cla@spacestar.net |ka0gkc@wb0gdb.#stp.mn.us

>  
>  
>  
>  
72/73

Ed Tanton N4XY EMAIL: n4xy@avana.net TEL: (770)579-3933 V/MBX/FAX  
189 Pioneer Trail, Marietta, GA 30068-3466

QRP-ARCI#7663 G-QRP#6779 OK-QRP#172 QRP-L#758 AdvRC#140  
NORCAL#1779 NCDXF SEDXC

Life Member: ARRL AMSAT IDRA INDEXA QCWA URL: Coming Soon

"Think you can, think you can't: either way you're right!" Henry Ford

From owner-qrp-l@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>  
Subject: [5575] Re: Linears  
Message-ID: <Pine.SOL.3.94.961204064104.28643B-1000000@utkux4.utcc.utk.edu>

On 3 Dec 1996, Dan Keen wrote:

> > But, like QRX, QSY, and QSL, these Q-signals have taken on a life of  
> > their own and can be used as verbs, adjectives, adverbs, nouns, swear  
> > words, and exclamations of high praise.  
>  
> So, going back to the original context, perhaps a somewhat similar kind of  
> thing might be said regarding which part of speech \_linear\_ belongs to.  
>  
Dan

Indeed, yes, although many of us blink at its misuse in some contexts.  
Shortening "linear amplifier" to "linear" seems as natural as shortening  
"amplifier" to "amp" in conversation. However, many knowledgeable hams  
know the difference between a linear and a nonlinear (for example, class

C) amplifier. Class C amplifiers, of course, are used not only for VHF FM (where they are called bricks) but as well for CW-only use on HF. These are "amps" but not "linears." For some, this is too purist a distinction, since (these folks would argue) linear has come to mean any kind of power amplifier added to the transmitter string of signal amplifiers. However, the so-called purists remember that the linear or near linear amplifier (Class AB1, AB2, etc.) was developed for SSB use, accepting less efficiency (than Class C) for the power gain with distortion within communications (but not broadcast) limits. Hence, a linear is for for them an amplifier that attempts to be linear, while a class C amplifier does not even pretend to be linear.

So the jury of language use is still out on this one. Now if everyone will QRX, I'll QSY to the coffee pot to raise my level of awakesness from QRP to QRO via a caffein linear (but too early in the AM for an 807 or an 813). [Amazing how silly one can sound by overdoing the ham slang in one sentence. Best effect is obtained by using the slang sparingly, but knowingly, just at the point where an "outsider" will get lost and need a quasi-technical explanation, thus ensuring that he/she is overwhelmed by the ham's technical prowess--or something like that.]

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: wpc@west.net (John L. Roblin)  
Subject: [5542] Re: Loss of AEA & Decline of HAM Radio  
Message-ID: <v01530502aeca736dd3a9@[205.254.241.1]>

Maybe I have been asleep, but what happened to AEA????!!!

John, WA6KY0

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: BWHITTEM@mailgw.sanders.lockheed.com  
Subject: [5578] re:need small keyer  
Message-ID: <2a576110@mailgw.sanders.lockheed.com>

sorry about sending to net but your address bounced on me for some

reason.

heres what i sent

jay,

the tick is a tiny bare bones keyer. no memorys etc and info can be found at <http://www.vivanet.com/~gmdsr/tick.html>. ive ordered 2 of them one for my hopefully coming 38 special and one to mabey put into my whiterook paddles. it sounds wonderfull to me. i have a super cmosII keyer from idiom press and i like it but for my qrp stuff i wanted something smaller. it sounds like a winner to me.

73

barry

wb1edi

soon on with 38 special (i hope)

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996

From: lve1@inel.gov (Larry V East)

Subject: [5620] RE: Ocean State Electronics

Message-ID: <2.2.16.19961204204636.46f75d38@eloi>

Thanks for all the response. Several indicated that I should try Dan's Small Parts and a couple also suggested Buckeye Electronics. However, neither list all the items that I need. Several also suggested ordering direct from Amidon, which I did. They accept small orders and give same day shipment -- I was not aware of this! So much for OSE... not only do they not answer the phone, but they tend to lose orders (happened to me twice in the past year).

72 and Tnx -- Larry W1HUE

PS -- Has 40M been strange, or what? I thought my GAP vertical had blown down last night, but I tuned down to 75 and all the "bigot nets" were coming in loud and clear. Finally got the Fox -- he was only readable here in SE Idaho for about 30 minutes starting around 0315.

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996

From: w0ch@juno.com

Subject: [5627] Re: QRP Power measurement w/ Bird 23

Message-ID: <19961204.154710.2215.3.W0CH@juno.com>

Hi Bob:

I also have a Bird 43 with a 50 watt slug. I have been using it for several years with both QRP and QRO. I wish that it was a bit better at the 5 watt and below readings

but so far I have not found any solutions to improve it. I have even talked to Bird company and asked if they have QRP HF slugs, but they don't. I think that the problem is the reduced coupling from the line section to the element at HF. The line section is a smaller portion of a wavelength at HF as compared to VHF. As a result the diodes in the element have smaller voltages to work with. Any solution would probably require amplification between the diodes and the meter.

Please copy me on any good ideas that you receive on the subject as I am interested also.

72,

Dave Bixler W0CH  
Seneca, MO

W0CH@juno.com

On Wed, 4 Dec 96 02:02:16 UT "Bob Smith" <bsmith@msn.com> writes:

>Well - just invested in a Bird Wattmeter, for a variety of reasons -  
>needed to  
>accurately measure SWR and power through UHF, etc.  
>  
>Much to my chagrin, and after the investment - I have found that Bird  
>makes no  
>5W HF slug for QRP measurements. Any ideas how to make use of my bird  
>for HF  
>- the 50W and 100 W slugs just don't seem to have the resolution.  
>  
>Thanks in advance.  
>  
>Bob Smith  
>  
>  
>

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: Dan Keen <70731.722@CompuServe.COM>  
Subject: [5556] Re: Shorthand  
Message-ID: <961204032039\_70731.722\_EHM64-2@CompuServe.COM>

> Shorthand is a kind of phonetic writing. I think it would slow down your  
> copy as you translated from characters to words to sounds and then to  
> shorthand. Better to learn script writing or just make notations of the  
> important points during "head copy."

Thanks, by the way what exactly is script writing? (For instance I read where Edison's signature is an example of typical telegrapher's script, whatever

that means).

Still copying in the low to medium 20's by block printing. Typewriter helps a little...

Also, doesn't everybody "head copy"? For instance while waiting for the extra exam, listening to the 13 test being meted out to the group ahead. I just do it slower then can write ;)

Dan K6DZ

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: "Frank Emens" <femens@iquest.com>  
Subject: [5562] Re: Shorthand  
Message-ID: <199612040348.VAA23656@vespucci.iquest.com>

> Thanks, by the way what exactly is script writing? (For instance I read where  
> Edison's signature is an example of typical telegrapher's script, whatever  
> that means).

>

Still copying in the low to medium 20's by block printing. Typewriter helps a  
> little...

> Dan K6DZ

I've never noticed Edison's signature, but I think what people are suggesting as script writing is maybe what you'd call cursive writing only with much less decoration and frills than a lot of people would try to use. I stall out at 25 wpm trying to print using the technique I used to use while taking exams. It called sometimes for up to 4 separate strokes of the pen to do a single letter. I don't know if it is still published, but ARRL used to have a book called "Learning the Radiotelegraph Code". It showed a model alphabet of what were basically block letters but showed how to form each letter to minimize pen strokes and use the smoothest motion. That helped me a lot, but a very simplified cursive script helps even more. Anything that minimizes lifting and repositioning the pen contributes to speed and reduction of tension in your copying hand.

Things are more like they are now than they have ever been before  
Frank Emens femens@iquest.com

John Evans, N3Q00 said

```
>
> > technique I used to use while taking exams. It called sometimes for
> > up to 4 separate strokes of the men to do a single letter. I don't
> > ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
> > You are going to have to correct this typo !!!
>
> 72, n3qoo
> john
```

73, W4HFU

```
>
>72, Bob KI0G
```

>  
>  
>

Don't even try shorthand Gregg, like Bob said it just takes more time to do the "double conversion." When I copy high speed CW I just take notes. Write his name, qth, rst, etc. Try as much as possible to copy in your head.

Kevin, WB5RUE

"I am Voltohm of Borg! Resistance is E/I, Power is EI, you will be attenuated!"

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
Subject: [5593] Re: Tuesday's Log (Long)  
Message-ID: <199612041657.KAA19364@multi13.netcomi.com>

Randy --

You were a solid RST 219 here on the peaks. Tried once or twice, but no success.

Mike K1MG

From owner-qrp-1@Lehigh.EDU Wed Dec 4 18:02:51 1996  
From: "Mark Anthony-CFES03J" <Mark\_Anthony-CFES03J@email.mot.com>  
Subject: [5574] Re: What recruited me to Ham Radio  
Message-ID: <M659919.002.vvva1.1.961204100210Z.CC-MAIL\*/OU=SGCC2/OU=ZSGBH/PRMD=MOT/ADMD=MOT/C=US/@MHS>

>> I'm not done yet! Also bought a VHF/UHF radio, but I only use  
>> it occasionally to check into the CQC net and take part in the  
>> SKYWARN nets, but NEVER to ragchew. Not challenging or  
>> interesting enough for me.

>

>Don't disprove one cliché by throwing out another... There's more to  
>V/UHF than FM and repeaters. SSB and CW are just as much fun as on HF  
>only the contests are more polite!

>

>>>>==>PStJTT

Gang,

Acton Pat has, with his usual economy, made two points:

1. Let others be,

and

2. V/UHF contesting is a blast! I had forgotten about that, because it has been a while since K9VV, N4SC and I have torn up that higher level aether. Believe me, when the e-skip is in you're gonna forget all about supper!

For a taste, borrow a friend's multimode rig for the January contest. Five watts of 144.2 MHz CW, an eleven element horizontally polarized beam up about 20 feet in the clear, a little boost from the propagation gods and you'll be in hawg heaven.

Cheers,

-- Jakarta Mark, K9AM (ex- WE9D) QRP-L #443

+-----+  
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+-----+